JVC

SERVICE MANUAL

D-ILA PROJECTION TELEVISION

HD-52G657, HD-56G647, HD-56G657, HD-61G657

BASIC CHASSIS
RA2

[HD-52G657]

TABLE OF CONTENTS

1 PRECAUTION 1-3
2 SPECIFIC SERVICE INSTRUCTIONS 1-7
3 DISASSEMBLY 1-10
4 ADJUSTMENT 1-26
5 TROUBLESHOOTING 1-34

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SPECIFICATION

Items		Contents		
		HD-52G657	HD-56G647 HD-56G657	HD-61G657
Dimensions (W × H × D)		122.9 cm × 91.1 cm × 41.5 cm (48-1/2" × 35-7/8" × 16-3/8")	131.8 cm × 96.8 cm × 43.9 cm (52" × 38-1/8" × 17-3/8")	145.6 cm × 104.2 cm × 47.0 cm (57-3/8" × 41-1/8" × 18-5/8")
Mass		38.0 kg (84 lbs)	41.0 kg (90 lbs)	43 kg (95 lbs)
TV RF System (Analog / Digital)	Analog	CCIR (M)		
	Digital	ATSC terrestrial / Digital cable		
Color System (Analog)		NTSC		
Stereo System (Analog)		BTSC (Multi Channel Sound)		
Teletext System (Analog)		Closed caption (T1-T4 / CC1-CC4)		
TV Receiving Channels and Frequency (Analog)	VHF Low	02 ch - 06 ch : 54 MHz - 88 MHz		
	VHF High	07 ch - 13 ch : 174 MHz - 216 MHz		
	UHF	14 ch - 69 ch : 470 MHz - 806 MHz		
	CATV	54 MHz - 864 MHz Low Band : 02 - 06 High Band : 07 - 13 Mid Band : 14 - 22 Super Band : 23 - 36 Hyper Band : 37 - 64 Ultra Band : 65 - 94, 100 - 135 Sub Mid Band : 01, 96 - 99		
TV / CATV Total Channel		191 Channels		
Intermediate Frequency (Analog)	Video IF	45.75 MHz		
	Sound IF	41.25 MHz (4.5 MHz)		
Color Sub Carrier Frequency (Analog)		3.58 MHz		
Power Input		AC120 V, 60 Hz		
Power Consumption		205 W		
Projection Source		110 W High-pressure mercury lamp		
Projection Device		D-ILA device (Reflection active matrix type LCD) x 3(R / G /B)		
Resolution		Total=H:1312 × V:800 [Effective =H:1280 × V:720]		
Screen		Transparent screen (unitized fresnel lens / lenticular lens), aspect ratio 16:9		
Screen Size		52" (132 cm) Measured diagonally H:115.1 cm × V:64.8 cm	56" (142 cm) Measured diagonally H:124.0 cm × V:69.7cm	61" (155 cm) Measured diagonally H:135.0 cm × V:76.0cm
Audio Power Output		10 W + 10 W		
Speaker		10 cm round type × 2 (Oblique corn)		
Antenna Terminal (VHF/UHF, ATSC / DIGITAL CABLE IN)		F-type connector, 75 Ω unbalanced, coaxial × 1		
Video / Audio Input [INPUT-1/2/3/4]	Component Video [INPUT-1/2]	RCA pin jack × 6		
	1125i / 750p	Y : 1 V (p-p) (Sync signal: 0.35V(p-p), 3-value sync.), 75 Ω Pb/Pr : ±0.35V(p-p), 75 Ω		
	525p / 525i	Y : 1 V (p-p), positive (Negative sync provided), 75 Ω Pb/Pr : 0.7V(p-p), 75 Ω		
	S-Video	Mini-DIN 4 pin × 2		
	[INPUT-1/3]	Y: 1V (p-p), positive (Negative sync provided), 75 Ω C: 0.286 V (p-p) (Burst signal), 75 Ω		
	Video	1 V (p-p), positive (Negative sync provided), 75 Ω, RCA pin jack × 4		
	Audio	500 mV (rms), high impedance, RCA pin jack × 8		
Digital Input [DIGITAL-IN]	Video	HDMI 2-row 19 pin connector × 1 (Digital-input terminal is not compatible with picture signals of personal computer)		
	Audio	Digital: HDMI 2-row 19 pin connector × 1 Anarog: 500 mV(rms) (-4dBs), high impedance, RCA pin jack × 2		
Audio Output		RCA pin jack × 2		
	Fix	500 mV(rms) (-4 dBs), low impedance (1000 Hz when modulated 100 %)		
Digital Audio Optical Output		Digital SPDIF × 1		
Remote Control Unit		RM-C18G (AA/R6 / UM-3 battery × 2)		

Design & specifications are subject to change without notice.

SECTION 1

PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**

Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⊜) side GND.

Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

(5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(6) **Isolation Check (Safety for Electrical Shock Hazard)**

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)

This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**

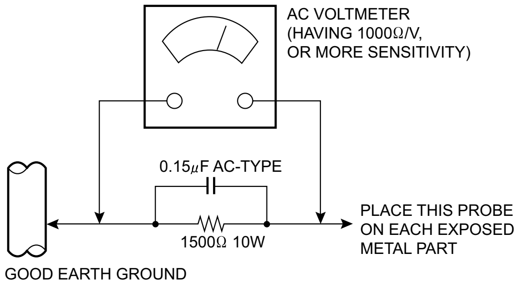
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 INSTALLATION

1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the predetermined level and power will be turned off automatically.

Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

Do not put foreign objects near the ventilation holes as this can result in fire or electrical hazards.

Do not block the ventilation holes as this may cause the internal temperature to rise and possibly result fire.

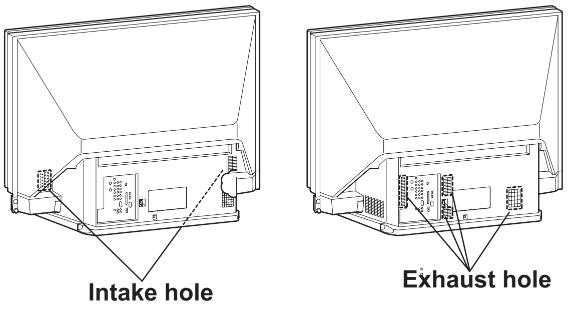


*Diagram differs from actual appearance.

1.2.2 INSTALLATION REQUIREMENTS

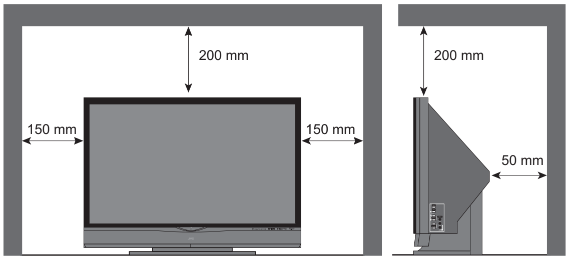
Ensure that the minimal distance is maintained, as specified fingure, between the unit with and the surrounding walls, as well as the floor etc.

Install the unit on stable flooring.

Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

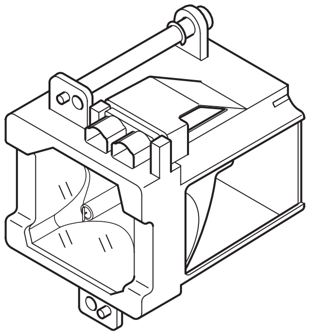
CAUTION FOR INSTALLATION

- Do not tilt the TV towards the left or right, or toward the back.
- Install the TV in a corner on the floor so as to keep cords out of the way.
- The TV will generate a slight amount of heat during operation. Ensure that sufficient space is available around the TV to allow satisfactory cooling.



1.3 LAMP UNIT HANDLING CAUTION

LAMP UNIT : TS-CL110UAA



1.3.1 PRECAUTION FOR LAMP UNIT

The lamp emits high intensity white, ultraviolet and infrared light. Do not look directly at the light during service.

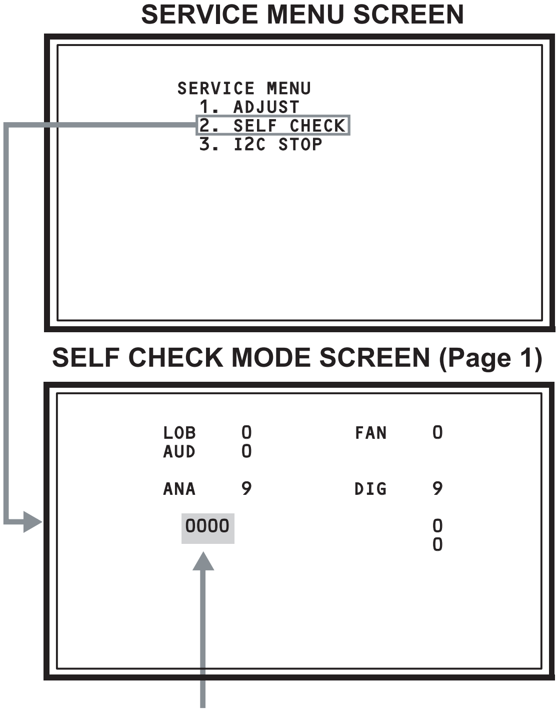
Also, do not touch the lamp directly as it presents a burn hazard.

Handle with extra care. This lamp emits high heat and contains high-pressure during use.

Do not give any impact as this may cause the broken lamp.

1.3.2 HOW TO CONFIRM LAMP OPERATING TIME

- MAXIMUM COUNT TIME= **65535 hours**
  (1) Set to **"0 minutes"** using the **[SLEEP TIMER]** key.
  (2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE.
  (3) When the SERVICE MENU SCREEN is displayed, press **[2]** key to enter the SELF CHECK MODE.
  (4) The use time of a lamp is displayed on middle of the screen by the hexadecimal number of 4 figures.



SERVICE MENU SCREEN

```
SERVICE MENU
  1. ADJUST
  2. SELF CHECK
  3. I2C STOP
```

SELF CHECK MODE SCREEN (Page 1)

```
LOB    0          FAN    0
AUD    0

ANA    9          DIG    9

    0000                 0
                         0
```

Lamp operation time (Hexadecimal)

CALCULATION EXAMPLE OF LAMP USE TIME

Ex. Display number=12EF

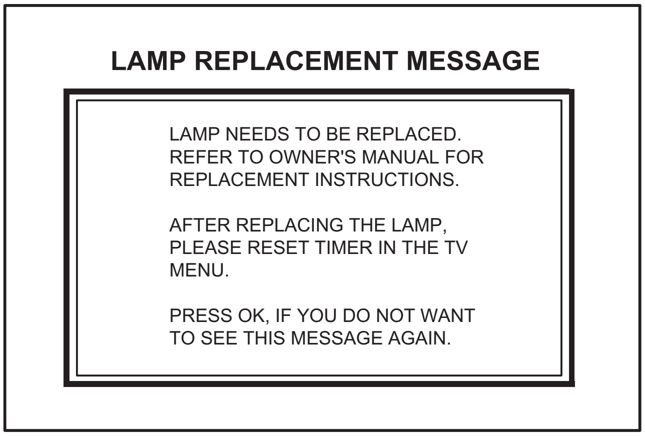
$1x16^3+2x16^2+Ex16+Fx1=1x4096+2x256+14x16+15=4847$ hours

1.3.3 LAMP UNIT REPLACEMENT

(1) The lamp replacement message will appear when need to change the lamp. After replace the lamp, need to reset the timer which is built into TV.
(2) Lamp use time can be check at the lamp message MENU. If lamp use time exceeds **5000 hours**, the message of Fig.1 will be displayed on a screen.
(3) If Fig.1 message appears when turn the TV on, need to replace the lamp.
(4) Use the lamp timer reset only after replacing the lamp.

NOTE:

- This message will appear every time turn on the TV, when the lamp needs to be replaced. Press the **[OK]** key to make the message disappear, or replace the lamp.



LAMP REPLACEMENT MESSAGE

LAMP NEEDS TO BE REPLACED.
REFER TO OWNER'S MANUAL FOR
REPLACEMENT INSTRUCTIONS.

AFTER REPLACING THE LAMP,
PLEASE RESET TIMER IN THE TV
MENU.

PRESS OK, IF YOU DO NOT WANT
TO SEE THIS MESSAGE AGAIN.

Fig.1

1.3.4 HOW TO REPLACE THE LAMP UNIT

- Refer to the "**USERS GUIDE**" for a detailed operating description.

(1) Turn off the TV power.
(2) After the LAMP LED light has stopped blinking, disconnect the power cord from the AC outlet.
(3) Loosen 1 screw then take out the lamp cover below the left side of the TV.
(4) Loosen 2 screws then take out the lamp unit.
(5) Install the new lamp unit.
(6) Re-install the lamp cover.

NOTE:

- After installing the new lamp unit, do not forget to reset the lamp timer.

1.3.5 HOW TO RESET THE LAMP TIMER

- Refer to the "**USERS GUIDE**" for a detailed operating description.

(1) Press the **[MENU]** key to select CLOCK / TIMERS.
(2) Select the <LAMP TIMER RESET> with **[▲]** / **[▼]** keys.
(3) Enter the <LAMP TIMER RESET> mode, the following message will appears.

PRESS OK TO RESET THE LAMP TIMER

(4) Press the **[OK]** key while the above message appears on the screen.
(5) The lamp timer has now been reset, and the following message will appear.

THE LAMP TIMER IS RESET SUCCESSFULLY

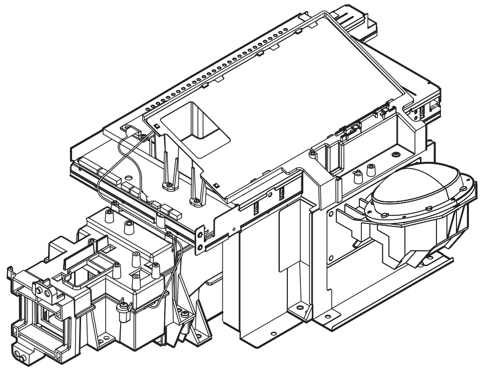
1.3.6 PRECAUTION FOR REPLACEMENT

- Do not replace the LAMP UNIT immediately after the projector has been used.
- The temperature of the LAMP UNIT is still high and could cause a burn.
- Allow a cooling period of 1 hour or more before performing replacement.
- Before starting LAMP UNIT replacement work, turn off the MAIN POWER switch, and disconnect the AC power cord plug from the wall outlet.
- If touched, the lamp glass surface may rupture and burns may result. Do not touch the glass portion or metal portion. Handle only plastic handle.
- The replaced old lamp can be discarded in the same manner as a fluorescent lamp. Check local ordinances and dispose of the used lamp as prescribed.

1.4 SERVICE PARTS KIT INSTRUCTIONS

Due to the character of this product, these OPTICAL /DRIVE ASS'Y are prepared.
Please note these OPTICAL/DRIVE ASS'Y when replacing or ordering the parts.

OPTICAL/DRIVE ASS'Y



1.4.1 PART NUMBER AND CONSTRUCTION

Kit parts number	Kit part name
TS-COP9A-SAA	OPTICAL / DRIVE ASS'Y

1.4.2 OPTICAL / DRIVE ASS'Y CONSTRUCTION

(1) OPTICAL BLOCK
(Included D-ILA DEVICE, PROJECTION LENS)
(2) OPTICAL BASE
(3) DRIVE PWB ASS'Y
This PWB is mounted with 2 memory ICs saved with adjustment, setting data of the drive circuit.
(4) SHIELD COVER

*The following parts without the kits part.

- REMOTE SENSOR PWB ASS'Y
- LAMP UNIT
- LAMP FAN DUCT
- THERMOSTAT

1.4.3 PRECAUTION FOR USING

(1) In the case of the following defects/problems, replace this kit (OPTICAL/DRIVE ASS'Y)
    a) Picture defect caused by optical system/D-ILA device related parts.
    b) Picture defect caused by drive circuit.
(2) The DRIVE PWB ASS'Y is mounted with a memory IC [IC3741/IC3742] saved with adjustment/setting data(GAMMA, SHADING, etc.) of the drive circuit.
The data of this memory IC is in the optimal state according to individual D-ILA devices and each section of the OPTICAL BLOCK.
(3) When replace the DRIVE PWB ASS'Y, take off the 1 memory IC from the original board and replace with new one. When replace the DRIVE PWB ASS'Y, do same manner. Replace 1 memory IC.
(4) After the replacement of the OPTICAL BLOCK, projection lens focus adjustment and drive convergence / projection adjustment are required.

1.5 SCREEN HANDLING CAUTIONS

1.5.1 SCREEN STORAGE

Store the SCREEN ASS'Y in a standing position in order to avoid deformation. If the screen is stored horizontally, there is risk of deforming the screen face.

When necessary to place the SCREEN ASS'Y horizontally, position the screen side upwards and sure to place spacers between the screen and resting site (floor or stand etc.) to prevent the screen from sagging.

1.5.2 SCREEN SURFACE

Since the screen surface is easily scratched or soiled, use ample care when handling.

1.5.3 PRECAUTIONS FOR CLEANING AND REPLACEMENT

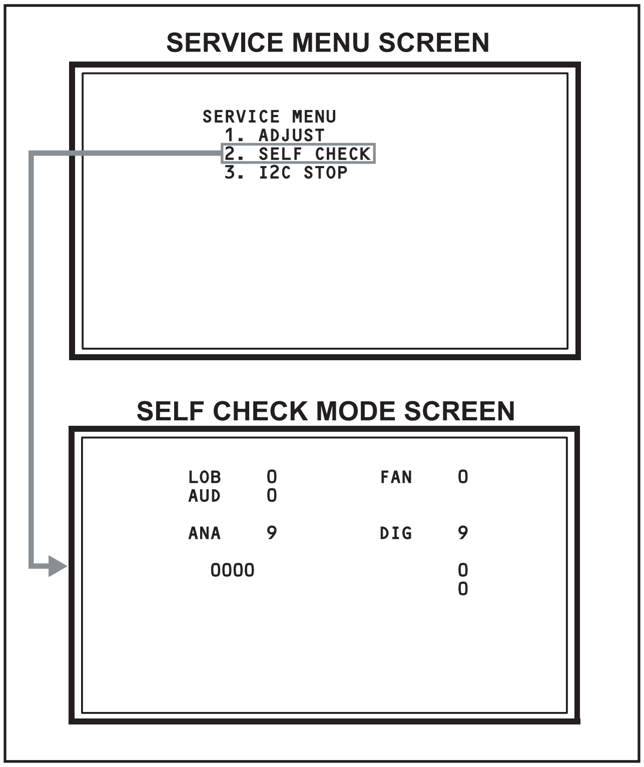
- The SCREEN ASS'Y is made from the lenticular lens and fresnel lens. The anti static proceeding and the surface of the lenticular lens. Rubbing the surface with something hard, the coating may peel off.
- When the screen is dirty, gently wipe it with a soft cloth.
  If the screen is very dirty, wipe it down with a cloth dipped in a diluted kitchen cleaner (neutrality detergent) and thoroughly wrung-out. Then wipe immediately after with clean, dry cloth.
  Never use the organic solvent such as the alcohol or benzine.
- The SCREEN ASS'Y replacement is required if the coating was peel off. Alkaline detergent or acidity detergent can not be be used.
- The notched side of the lenticular lens and the fresnel lens are faced each other.
- Do not rub the screen when cleaning it or replaceing it. Rubbing the screen may cause of the scratch of the screen by its notch.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 SYSTEM SETTEING

Be sure to carry out the following operation at the end of the procedure.

(1) Set to **"0 minutes"** using the **[SLEEP TIMER]** key.
(2) While **"0 minutes"** is displayed, press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE.
(3) When the SERVICE MENU SCREEN is displayed, press **[2]** key to enter the self check mode.
(4) Turn off the power by pressing the **[POWER]** key on the remote control unit.



SERVICE MENU SCREEN

```
SERVICE MENU
  1. ADJUST
  2. SELF CHECK
  3. I2C STOP
```

SELF CHECK MODE SCREEN

```
LOB   0        FAN   0
AUD   0

ANA   9        DIG   9

  0000               0
                     0
```

2.2 FEATURES

Built in ATSC (Advanced Television Systems Committee) TUNER

This TV can receive both Digital broadcasting (ATSC) and Analogue broadcasting.

D.I.S.T. (Digital Image Scaling Technology)

This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

SMART CAPTION

Smart caption will appear when you press the MUTING button, only on channels where the broadcast contains CLOSED CAPTION information.

VIDEO STATUS

Expression of a favorite screen can be chosen by the VIDEO STATUS function.

DIGITAL INPUT

Digital-in will display when any picture signal in Digital-in is displayed.

V-CHIP

Since the V-CHIP is built in, it can choose, view and listen to a healthy program.

MTS STEREO

The voice multiplex function of the MTS system is built in. (MTS = Multi channel Television Sound system)

MPEG Noise Reduction

This function effects the block noise removal and mosquito NR simultaneously.

MaxxBass

This function emphasizes the bass sound.

NATURAL CINEMA

Watching the movie or animation, press the Natural Cinema to adjust the out line of the images to make thin more sharp.

VIDEO INPUT LABEL

This function is used to label video input connections for the onscreen displays.

2.3 MAIN DIFFRENCE LIST

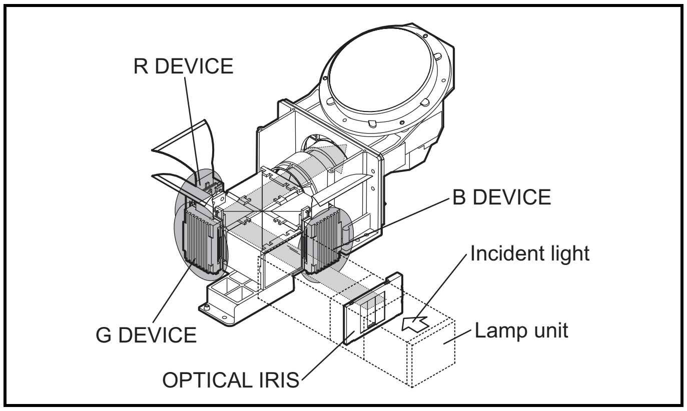
Item	HD-52G657	HD-56G647	HD-56G657	HD-61G657
FRONT PANEL COLOR	Titan & Black	Black	Titan & Black	←
DIGITAL PWB	SRA0D019A-M2	SRA0D021A-M2	SRA0D018A-M2	SRA0D017A-M2

2.4 TECHNICAL INFORMATION

2.4.1 D-ILA DEVICE SPECIFICATION

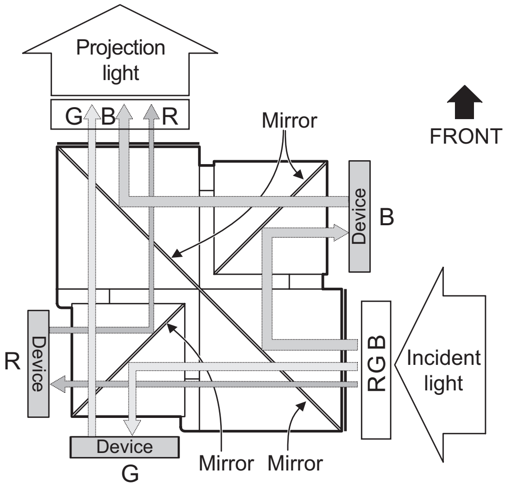
Item	Content
Resolution	H: 1312 × V:800
Pixel number	about 2123776
Pixel size	H : 12.0µm × V :12.0µm
Aspect ratio	16 : 9
Contrast ratio	1000 : 1
Aperture ratio	93% or more
Effective pixel measurement	0.7 inch

2.4.2 PROJECTION UNIT


R DEVICE
B DEVICE
Incident light
G DEVICE
Lamp unit
OPTICAL IRIS

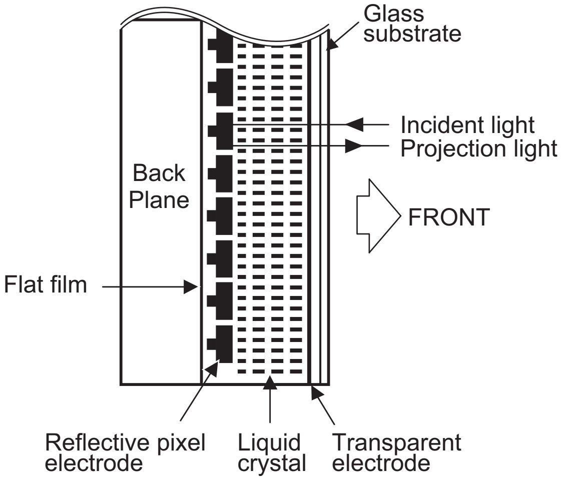
2.4.3 IMAGE LIGHT FLOW

DEVICE UNIT SECTION (TOP VIEW)

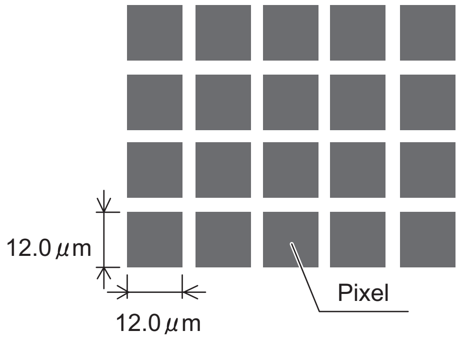

Projection light
G
B
R
Mirror
FRONT
Device
B
R
Device
RGB
Incident light
Device
G
Mirror
Mirror

2.4.4 D-ILA DEVICE STRUCTURE

R / G / B DEVICE (SIDE VIEW)


Glass substrate
Incident light
Projection light
Back Plane
FRONT
Flat film
Reflective pixel electrode
Liquid crystal
Transparent electrode

PIXEL VIEW (FRONT VIEW)


12.0 µm
12.0 µm
Pixel

2.4.5 MAIN CPU PIN FUNCTION [IC7601 : DIGITAL PWB ASS'Y]

Pin	Pin name	I/O	Function
1	VHOLD1	I	Data slice for main screen closed caption
2	HFLT1	I/O	LPF for main screen closed caption video input
3	NC	O	Not used
4	NC	O	Not used
5	DIGR0	O	R [0] for OSD
6	TB1in	I	AC power for timer clock
7	REMO	I	Remote control
8	BYTE	I	Data bus width select [L = 16bit (fixed)]
9	CNVss	I	CPU programming mode select [Normal = L]
10	DIGG0	O	G [0] for OSD
11	DIGB0	O	B [0] for OSD
12	RESET	I	Reset for main CPU [Reset = L]
13	Xout	O	System clock osillation (crystal) : 16MHz
14	Vss	-	GND
15	Xin	I	System clock osillation (crystal) : 16MHz
16	Vccl	I	3.3V stand-by power supply
17	OSC1	I	Clock for OSD
18	OSC2	O	Not used : Clock for OSD
19	INT1	I	AV COMPULINK control
20	INT0	I	Request for sub(chassis) CPU communication (serial data)
21	OUT1	O	Ys (blanking) for OSD
22	OUT2	O	YM (transparence) for OSD
23	NC	O	Not used
24	NC	O	Not used
25	NC	O	Not used
26	NC	O	Not used
27	CTA2/RTS2	O	Not used
28	CLK2	O	Not used
29	RxD2	I	Digital tuner control
30	TxD2	O	Digital tuner control
31	SDA2	I/O	Not used
32	DIGR1	O	R [1] for OSD
33	DIGG1	O	G [1] for OSD
34	DIGB1	O	B [1] for OSD
35	TxD0	I	Data receive (serial) for external programming
36	RxD0	O	Data transmission (serial) for external programming
37	CLK0	I	Clock for external programming
38	RTS0	O	Busy for external programming [Operation = H]
39	P5.7	I	Not used
40	P5.6	O	Not used
41	HOLD	I	CPU programming mode select [Normal = H]
42	P5.4	O	Not used
43	P5.3	O	Not used
44	P5.2	O	Not used
45	P5.1	O	Not used
46	WR	O	CPU programming mode select [Normal = L]
47	P4.7	O	Data transmission for sub(chassis) CPU communication (serial)
48	P4.6	I	Data receive for sub(chassis) CPU communication (serial)
49	P4.5	I	Clock for sub(chassis) CPU communication (serial)
50	P4.4	O	Not used
51	NC	O	Not used
52	NC	O	Not used
53	NC	O	Not used
54	NC	O	Not used
55	NC	O	Not used
56	NC	O	Not used
57	NC	O	Not used
58	NC	O	Not used
59	NC	O	Not used
60	NC	O	Not used
61	NC	O	Not used
62	HSYNC	I	H. sync for OSD
63	NC	O	Not used
64	VSYNC	I	V. sync for OSD
65	NC	O	Not used
66	NC	O	Not used
67	NC	O	Not used
68	NC	O	Not used
69	NC	O	Not used
70	NC	O	Not used
71	P2.1	O	Clock for Inter IC (serial) bus control
72	P2.0	I/O	Data for Inter IC (serial) bus control
73	NC	O	Not used
74	NC	O	Not used
75	NC	O	Not used
76	NC	O	Not used
77	NC	O	Not used
78	NC	O	Not used
79	NC	O	Not used
80	P1.0	O	Function LED lighting
81	P0.7	O	Communication LED lighting
82	P0.6	O	Test point
83	NC	O	Not used
84	WAKE	O	Reset for sub(chassis) CPU
85	CARD_DET	I	Not used
86	POWER_SW	I	Power switch (mechanical) detection
87	SDA	I/O	Data for Inter IC (serial) bus control : memory
88	SLC	O	Clock for Inter IC (serial) bus control : memory
89	DIGR2	O	R [2] for OSD
90	DIGG2	O	G [2] for OSD
91	DIGB2	O	B [2] for OSD
92	NC	O	Not used
93	KEY2	I	Key scan data for front control button (MENU/CH+/CH-) KEY2
94	KEY1	I	Key scan data for front control button (INPUT/VOL+/VOL-) KEY1
95	VHOLD2	I	Data slice for sub screen closed caption
96	HLF2	I/O	LPF for sub screen closed caption video input
97	CVIN2	I	Video(Y) for sub screen closed caption
98	TVSETB	I	Test terminal [L Fixed]
99	VCCE	I	5V stand-by power supply
100	CVIN1	I	Video(Y) for main screen closed caption

SECTION 3
DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

CAUTION AT DISASSEMBLY:

- **Be sure to perform the SYSTEM SETTEING, at the end of the procedure.**
- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.
- Wait until the LAMP UNIT has cool down is completely.
- While not in repair service, place the chassis back its original position.

3.1.1 FRONT SIDE DISASSEMBLY [HD-52G657, HD-56G647, HD-56G657]

3.1.1.1 REMOVING THE SPEAKER GRILL (Fig.1)

(1) Remove the 2 screws **[A]**.
(2) Remove the SPEAKER GRILL by pressing it downward.

3.1.1.2 REMOVING THE FRONT LED PWB (Fig.1)

- Remove the SPEAKER GRILL.

(1) Remove the 1 screw **[B]**.
(2) Remove the FRONT LED PWB.

3.1.1.3 REMOVING THE CENTER COVER (Fig.1)

- Remove the SPEAKER GRILL.

(1) Remove the 2 screws **[C]**.
(2) Remove the CENTER COVER.

3.1.1.4 REMOVING THE FRONT PANEL (Fig.1)

- Remove the SPEAKER GRILL.

(1) Remove the 10 screws **[D]**.
(2) Remove the 12 screws **[E]**.
(3) Remove the FRONT PANEL.

3.1.1.5 REMOVING THE SPEAKER (Fig.1)

- Remove the SPEAKER GRILL.

(1) Remove the 4 screws **[F]**.
(2) Remove the SPEAKER.
(3) Remove the opposite SPEAKER by the same method.

3.1.1.6 REMOVING THE SCREEN BLOCK(Fig.1)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.

[HD-52G657]

(1) Remove the 6 screws **[G]**.
(2) Remove the 2 screws **[H]**.
(3) Remove the SCREEN BLOCK.

[HD-56G647, HD-56G657]

(1) Remove the 6 screws **[G]**.
(2) Remove the 2 screws **[J]**.
(3) Remove the SCREEN BLOCK.

CAUTION:

- Place the SCREEN BLOCK on a flat table without fail.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.
- Use care not to scratch the screen during work.
- During assembly, be sure to engage the left and right tabs with the cabinet mounting positions.
- When supporting the SCREEN BLOCK, avoid grasping the top of the screen panel, instead grasp the left and right areas.
- Do not leave the SCREEN BLOCK removed for long time to prevent soiling from dust.

3.1.1.7 REMOVING THE SCREEN ASS'Y (Fig.1)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.

(1) Remove the 12 screws **[K]**.
(2) Remove the SCREEN ASS'Y.

NOTE:

- Do not touch the front of the SCREEN ASS'Y.
- Do not shock the SCREEN ASS'Y.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.

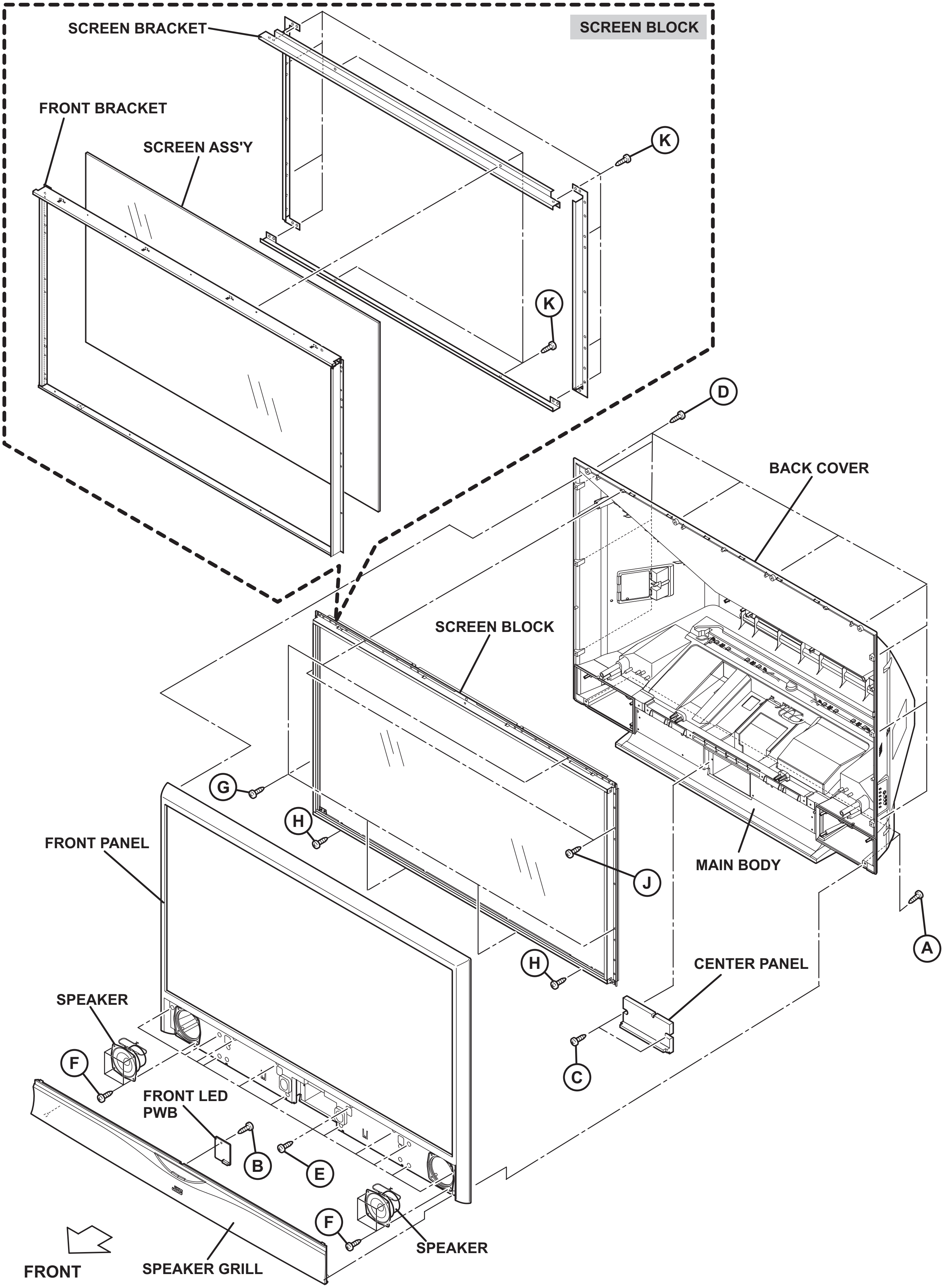

SCREEN BRACKET
SCREEN BLOCK
FRONT BRACKET
SCREEN ASS'Y
K
K
D
BACK COVER
SCREEN BLOCK
G
H
FRONT PANEL
J
MAIN BODY
A
H
CENTER PANEL
SPEAKER
F
C
FRONT LED
PWB
B
E
F
SPEAKER
FRONT
SPEAKER GRILL

Fig.1

3.1.1.8 REMOVING THE MIRROR (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
  (1) Remove the 4 screws **[A]** attaching the MIRROR HOLDER of the upper side.
  (2) Remove the 6 screws **[B]** attaching the MIRROR HOLDER of left and right side.
  (3) Raise slightly to disengage of the MIRROR from the bottom MIRROR HOLDER
  (4) Remove the MIRROR.

NOTE :

- Do not touch the front of the MIRROR.
- Do not shock the MIRROR.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.

3.1.1.9 REMOVING THE SIDE CONTROL PWB (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
  (1) Remove the 2 screws **[C]**.
  (2) Remove the SIDE CONTROL BASE.
  (3) Remove the 2 screws **[D]**.
  (4) Remove the SIDE CONTROL PWB.

3.1.1.10 REMOVING THE SUPPORT HOLDER (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
  (1) Remove the 2 screws **[E]**.
  (2) Remove the SUPPORT HOLDER.

3.1.1.11 REMOVING THE BACK COVER (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
- Remove the SUPPORT HOLDER.
  (1) Remove the 6 screws **[F]**.
  (2) Remove the 2 screws **[G]** from rear side.
  (3) Remove the 2 screws **[H]** attach the SPEAKER BOX.
  (4) Remove the BACK COVER with the SPEAKER BOX

CAUTION :

- Because of the large size, at least 2 persons are recommended for removal and reassemble.

3.1.1.12 REMOVING THE SPEAKER BOX (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
- Remove the SUPPORT HOLDER.
- Remove the BACK COVER with the SPEAKER BOX.
  (1) Remove the 1 screw **[J]**.
  (2) Remove the SPEAKER BOX.
  (3) Remove the opposite SPEAKER BOX by the same method.

3.1.1.13 REMOVING THE FILTER (Fig.2)

(1) Remove the 1 screw **[K]**.
(2) Remove the FILTER COVER with the FILTER.
(3) Remove the FILTER.
(4) Remove the opposite FILTER by the same method.

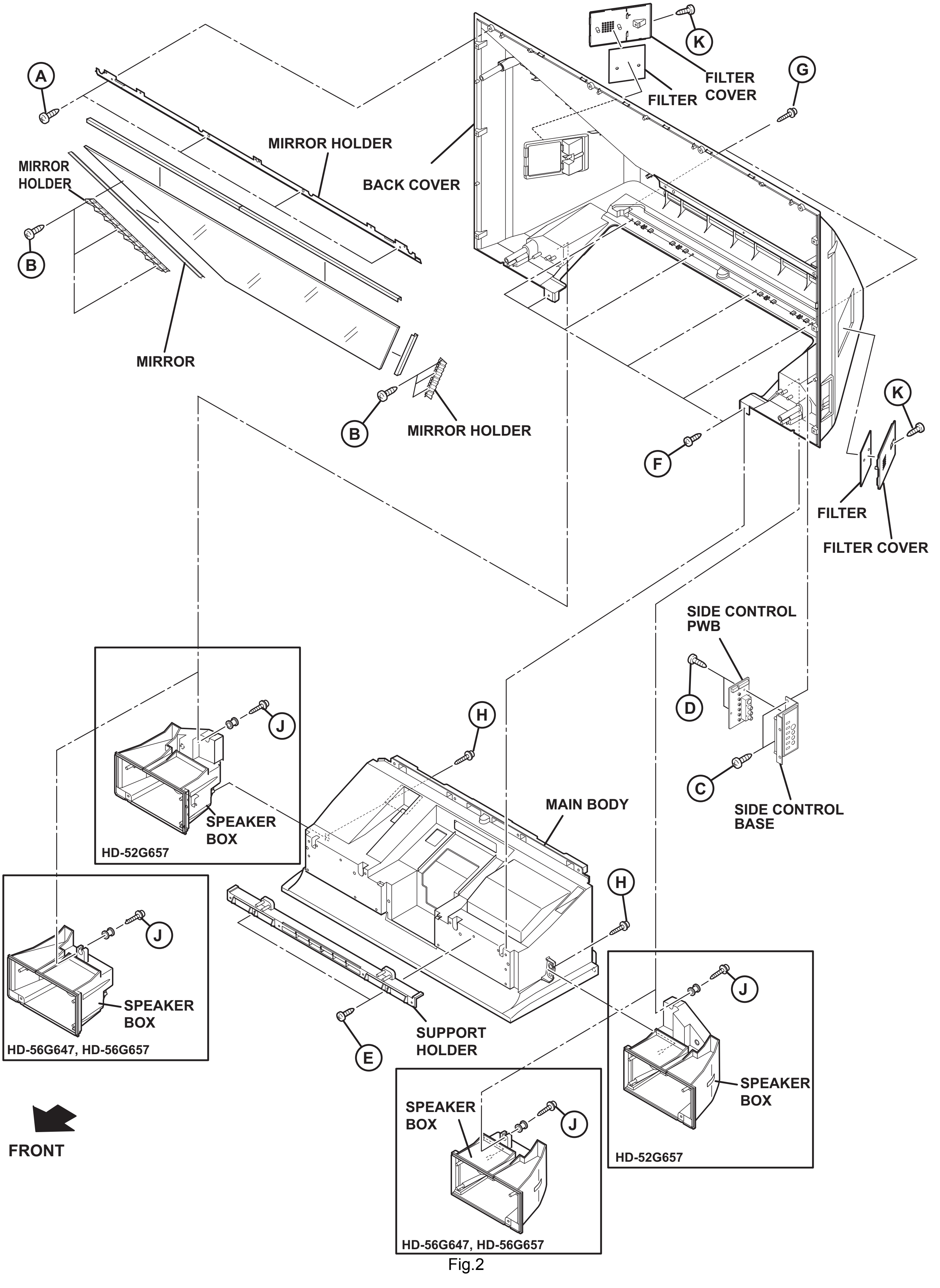

K
FILTER COVER
FILTER
G
A
MIRROR HOLDER
MIRROR HOLDER
BACK COVER
B
MIRROR
B
MIRROR HOLDER
K
F
FILTER
FILTER COVER
SIDE CONTROL PWB
D
C
SIDE CONTROL BASE
J
SPEAKER BOX
HD-52G657
H
MAIN BODY
H
J
SPEAKER BOX
HD-56G647, HD-56G657
SUPPORT HOLDER
E
J
SPEAKER BOX
HD-52G657
SPEAKER BOX
J
HD-56G647, HD-56G657
FRONT

Fig.2

3.1.2 FRONT SIDE DISASSEMBLY [HD-61G647, HD-61G657]

3.1.2.1 REMOVING THE SPEAKER GRILL (Fig.3)

(1) Remove the 2 screws **[A]**.
(2) Remove the SPEAKER GRILL by pressing it downward.

3.1.2.2 REMOVING THE FRONT LED PWB (Fig.3)

- Remove the SPEAKER GRILL.

(1) Remove the 1 screw **[B]**.
(2) Remove the FRONT LED PWB.

3.1.2.3 REMOVING THE CENTER COVER (Fig.3)

- Remove the SPEAKER GRILL.

(1) Remove the 2 screws **[C]**.
(2) Remove the CENTER COVER.

3.1.2.4 REMOVING THE FRONT PANEL WITH SCREEN ASS'Y (Fig.3)

- Remove the SPEAKER GRILL.

(1) Remove the 8 screws **[D]**.
(2) Remove the 10 screws **[E]**.
(3) Remove the FRONT PANEL with SCREEN ASS'Y.

CAUTION:

- Place the FRONT PANEL with SCREEN ASS'Y on a flat table without fail.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.
- Use care not to scratch the screen during work.
- Do not leave the FRONT PANEL with SCREEN ASS'Y removed for long time to prevent soiling from dust.

3.1.2.5 REMOVING THE SCREEN ASS'Y (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.

(1) Remove the 4 screws **[F]**.
(2) Remove the 20 screws **[G]**.
(3) Remove the SCREEN BRACKET.
(4) Remove the SCREEN ASS'Y from the FRONT PANEL

NOTE:

- Do not touch the front of the SCREEN ASS'Y.
- Do not shock the SCREEN ASS'Y.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.

3.1.2.6 REMOVING THE SPEAKER (Fig.3)

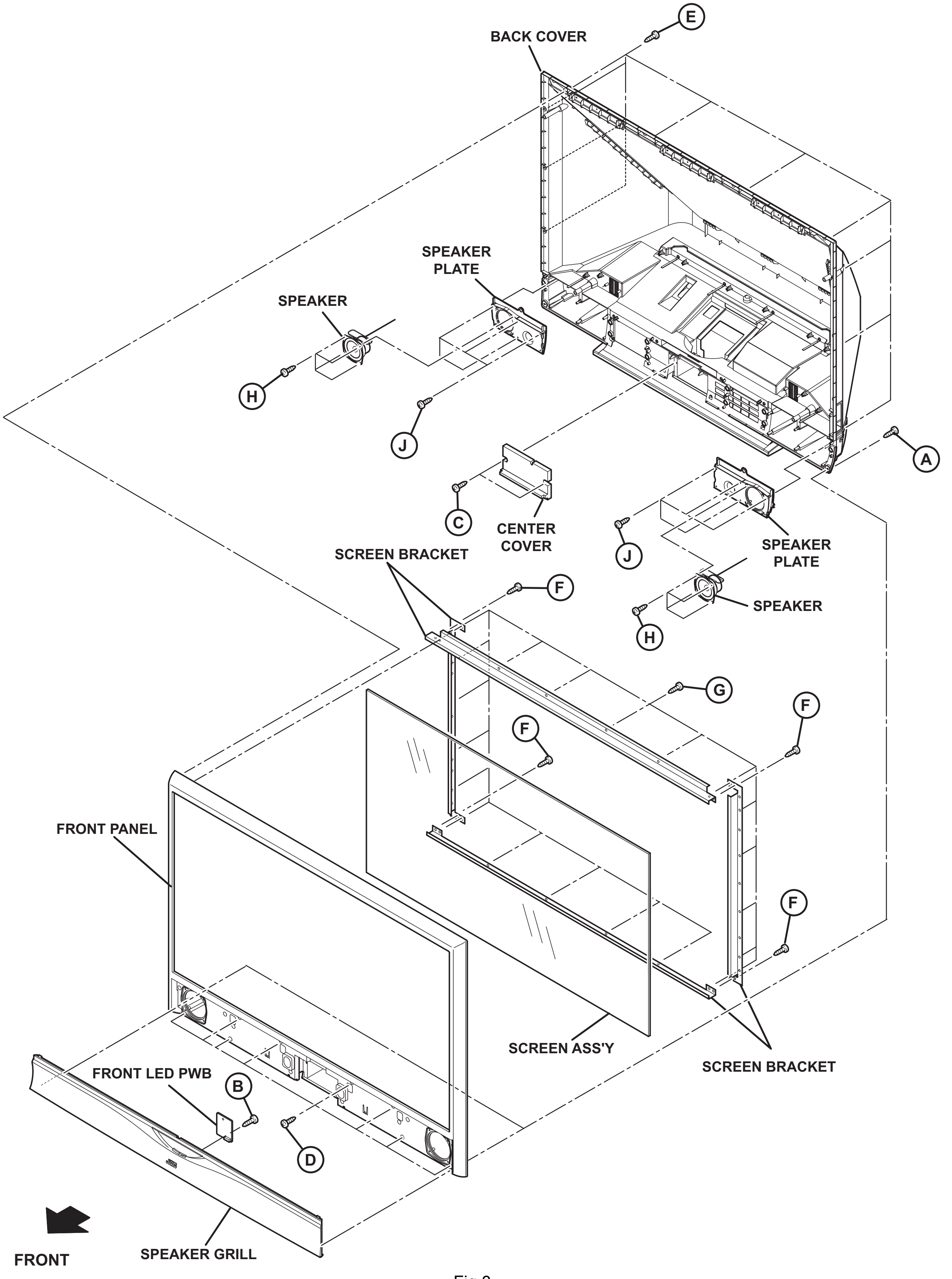
- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.

(1) Remove the 4 screws **[H]**.
(2) Remove the SPEAKER.
(3) Remove the opposite SPEAKER by the same method.

3.1.2.7 REMOVING THE SPEAKER PLATE (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.

(1) Remove the 4 screws **[J]**.
(2) Remove the SPEAKER PLATE.
(3) Remove the opposite SPEAKER PLATE by the same method.



BACK COVER
E
SPEAKER PLATE
SPEAKER
H
J
A
C
CENTER COVER
J
SPEAKER PLATE
SPEAKER
H
SCREEN BRACKET
F
G
F
F
F
FRONT PANEL
SCREEN ASS'Y
SCREEN BRACKET
FRONT LED PWB
B
D
FRONT
SPEAKER GRILL

Fig.3

3.1.2.8 REMOVING THE MIRROR (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.
  (1) Remove the 6 screws **[A]**.
  (2) Remove the MIRROR HOLDER of the upper side.
  (3) Remove the 6 screws **[B]**.
  (4) Remove the MIRROR HOLDER of left and right side.
  (5) Raise slightly to disengage of the MIRROR from the bottom MIRROR HOLDER.
  (6) Remove the MIRROR.

NOTE:

- Do not touch the front of the MIRROR.
- Do not shock the MIRROR.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.

3.1.2.9 REMOVING THE BACK COVER FILTER (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.
  (1) Remove the double-sided tape attached BACK COVER FILTER.
  (2) Remove the BACK COVER FILTER(L/R).

3.1.2.10 REMOVING THE SIDE CONTROL PWB (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.
  (1) Remove the 2 screws **[C]**.
  (2) Remove the SIDE CONTROL BASE.
  (3) Remove the 2 screws **[D]**.
  (4) Remove the SIDE CONTROL PWB.

3.1.2.11 REMOVING THE BACK COVER (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.
  (1) Remove the 9 screws **[E]**.
  (2) Remove the 4 screws **[F]**.
  (3) Remove the 2 screws **[G]** from rear side.
  (4) Remove the BACK COVER.

CAUTION:

- Because of the large size, at least 2 persons are recommended for removal and reassemble.

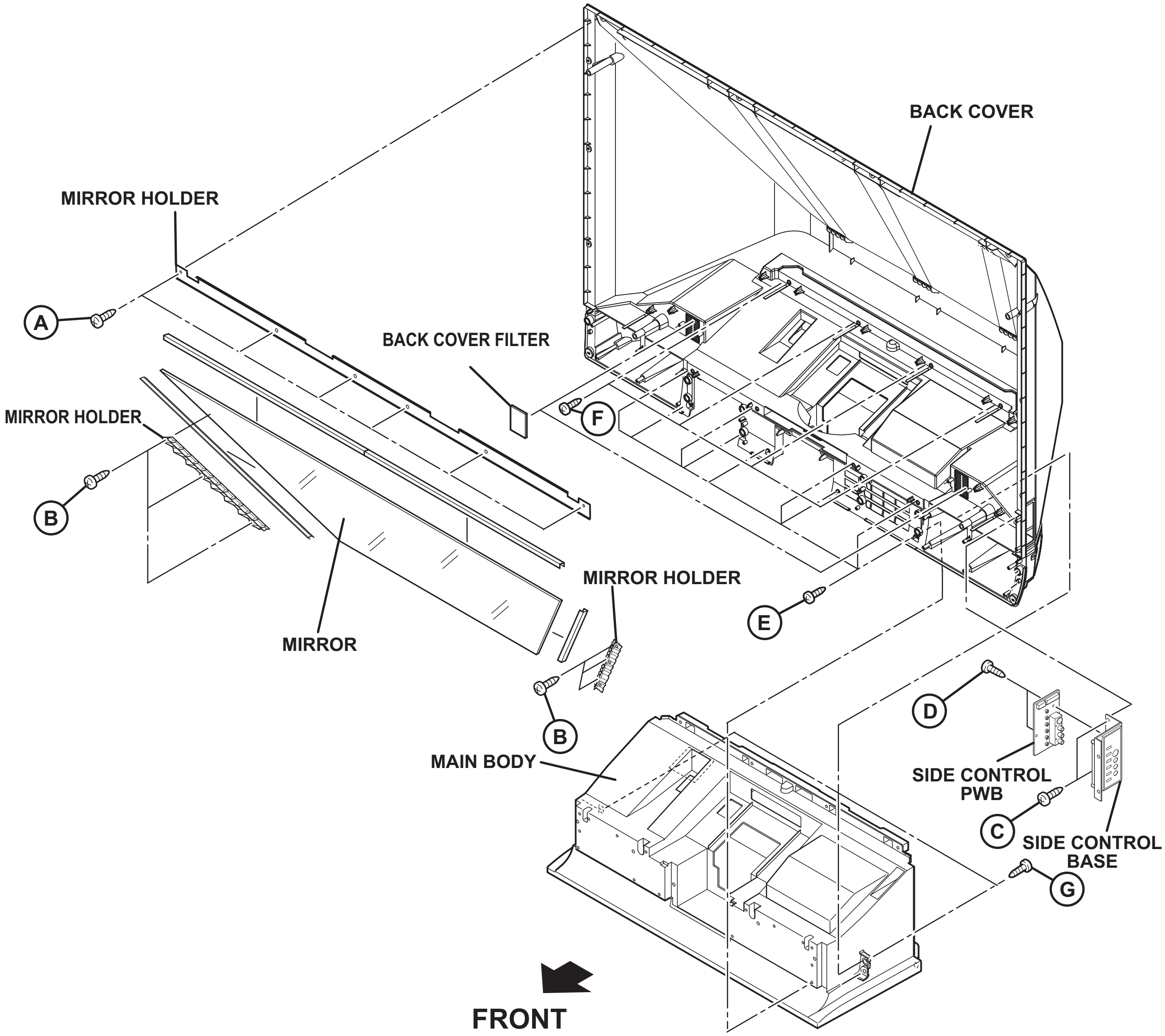

BACK COVER
MIRROR HOLDER
A
BACK COVER FILTER
F
MIRROR HOLDER
B
MIRROR HOLDER
E
MIRROR
B
D
MAIN BODY
SIDE CONTROL PWB
C
SIDE CONTROL BASE
G
FRONT

Fig.4

3.1.3 REAR SIDE DISASSEMBLY

3.1.3.1 REMOVING THE LAMP UNIT (Fig.5)

(1) Remove the 1 screw **[A]**.
(2) Remove the LAMP COVER.
(3) Remove the 2 screws **[B]**
(4) Pull out the LAMP UNIT.

NOTE :

- Do not leave the LAMP COVER removed for long time to prevent dirt and dust form covering the lens.
- Make sure that the LAMP COVER is completely installed.

3.1.3.2 REMOVING THE BODY COVER (Fig.5)

(1) Remove the 9 screws **[C]**.
(2) Remove the 2 screws **[D]** (Only HD-52G657/HD-56G647/HD-56G657).
(3) Remove the 5 screws **[E]**.
(4) Remove the BODY COVER.

NOTE :

- Do not leave the BODY COVER removed for long time to prevent soiling from dust.

3.1.3.3 REMOVING THE MAIN UNIT (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.

(1) Remove the 4 screws **[F]**
(2) Remove the BODY BRACKET.
(3) Remove the 2 screws **[G]**
(4) The MAIN UNIT is pulled out to the back side.

CAUTION :

- **Except for confirmation of projection images on the screen and audio output through the speakers, the removed MAIN UNIT is still workable in the same state as if it is still built-in the TV set. Therefore, the MAIN UNIT can be removed, if necessary, for board diagnosis, electric testing, etc. apart from confirmation of screen images and audio output. Do not leave the MAIN UNIT removed for long time to prevent soiling from dust.**
- **Because of the large size, at least 2 persons are recommended for removal and reassemble.**
- **When carrying the MAIN UNIT, use care not to drop, shock or shake it.**
- **Do not stain or damage the projection lens.**
- **Do not look directly at the light during service.**
- **Do not touch the lamp directly as it presents a burn hazard.**

NOTE :

- When not performing repair work, attach the cap on the lens to preventing dust from covering.
- When mounting to the set, make sure the front of the lens is in contact with the cushion on the set (body) side.
- Make sure that FRONT LED PWB connector is completely connect to the ANALOG PWB connector.
- When wire clamps are removed during work, use care to restore them precisely to their original positions. Performance can be affected if these are not returned to the original positions.

3.1.3.4 REMOVING THE AV TERMINAL BOARD (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the 3 screws **[H]**, 7 screws **[J]** and the 5 screws **[K]**.
(2) Remove the nut attaching the ANTENNA TERMINAL.
(3) Remove the AV TERMINAL BOARD.

3.1.3.5 REMOVING THE POWER PWB (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the POWER CORD.
(2) Remove the 7 screws **[M]**.
(3) Remove the POWER PWB.

3.1.3.6 REMOVING THE TUNER PWB (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the 1 screw **[N]**.
(2) Remove the HANGER BRACKET with TUNER PWB.
(3) Remove the 3 screws **[P]**.
(4) Remove the TUNER PWB.

3.1.3.7 REMOVING THE ANALOG PWB (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the AV TERMINAL BOARD.
- Remove the POWER PWB and TUNER PWB.

(1) Remove the 4 screws **[Q]**.
(2) Remove the ANALOG PWB.

3.1.3.8 REMOVING THE DIGITAL PWB (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the AV TERMINAL BOARD.
- Remove the POWER PWB and TUNER PWB.
- Remove the ANALOG PWB.
  (1) Remove the 1 screw **[R]**.
  (2) Remove the DIGITAL PWB BRACKET with DIGITAL PWB and ATSC TUNER MODULE.
  (3) Remove the 8 screws **[S]**.
  (4) Remove the DIGITAL PWB SHIELD COVER.
  (5) Remove the 9 screws **[T]**.
  (6) Remove the DIGITAL PWB.

CAUTION :

- **Make sure to perform the "SYSTEM SETTEING" , when DIGITAL SIGNAL PWB is replaced.**
- **Especially, because the value of F001 (DD) might been changed, go through next steps to confirm the setting value with the remote control unit.**
  (1) Set to "0 minutes" using the [SLEEP TIMER] key.
  (2) While "0 minutes" is displayed, press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the SERVICE MODE.
  (3) Press [1] key to enter the ADJUSTMENT MODE.
  (4) Select < F001 >.
  (5) Confirm the value to "000", and set it to "000" when not "000".
  (6) Press [MUTING] key, to memorize the data.
  (7) Press [BACK] key twice to exit the SERVICE MODE.

3.1.3.9 REMOVING THE ATSC TUNER COOLING FAN (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the AV TERMINAL BOARD.
- Remove the POWER PWB and TUNER PWB.
- Remove the ANALOG PWB.
  (1) Remove the 1 screw **[R]**.
  (2) Remove the DIGITAL PWB BRACKET with ATSC TUNER MODULE PWB.
  (3) Remove the 4 screws **[U]**.
  (4) Remove the ATSC TUNER COOLING FAN.

3.1.3.10 REMOVING THE ATSC TUNER MODULE PWB (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the AV TERMINAL BOARD.
- Remove the POWER PWB and TUNER PWB.
- Remove the ANALOG PWB.
- Remove the ATSC TUNER COOLING FAN.
  (1) Remove the 6 screws **[V]**.
  (2) Remove the ATSC TUNER SHIELD COVER.
  (3) Remove the 5 screws **[W]**.
  (4) Remove the ATSC TUNER MODULE PWB.

3.1.3.11 REMOVING THE SD CARD PWB (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the AV TERMINAL BOARD.
- Remove the POWER PWB and TUNER PWB.
- Remove the ANALOG PWB.
- Remove the ATSC TUNER COOLING FAN.
  (1) Remove the 6 screws **[V]**.
  (2) Remove the ATSC TUNER UNIT SHIELD COVER.
  (3) Remove the 3 screws **[X]** and the 1 screw **[Y]**.
  (4) Remove the SD CARD PWB.

3.1.3.12 REMOVING THE FAN PWB (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the POWER PWB and TUNER PWB.
  (1) Remove the 1 screw **[Z]**.
  (2) Remove the FAN PWB.

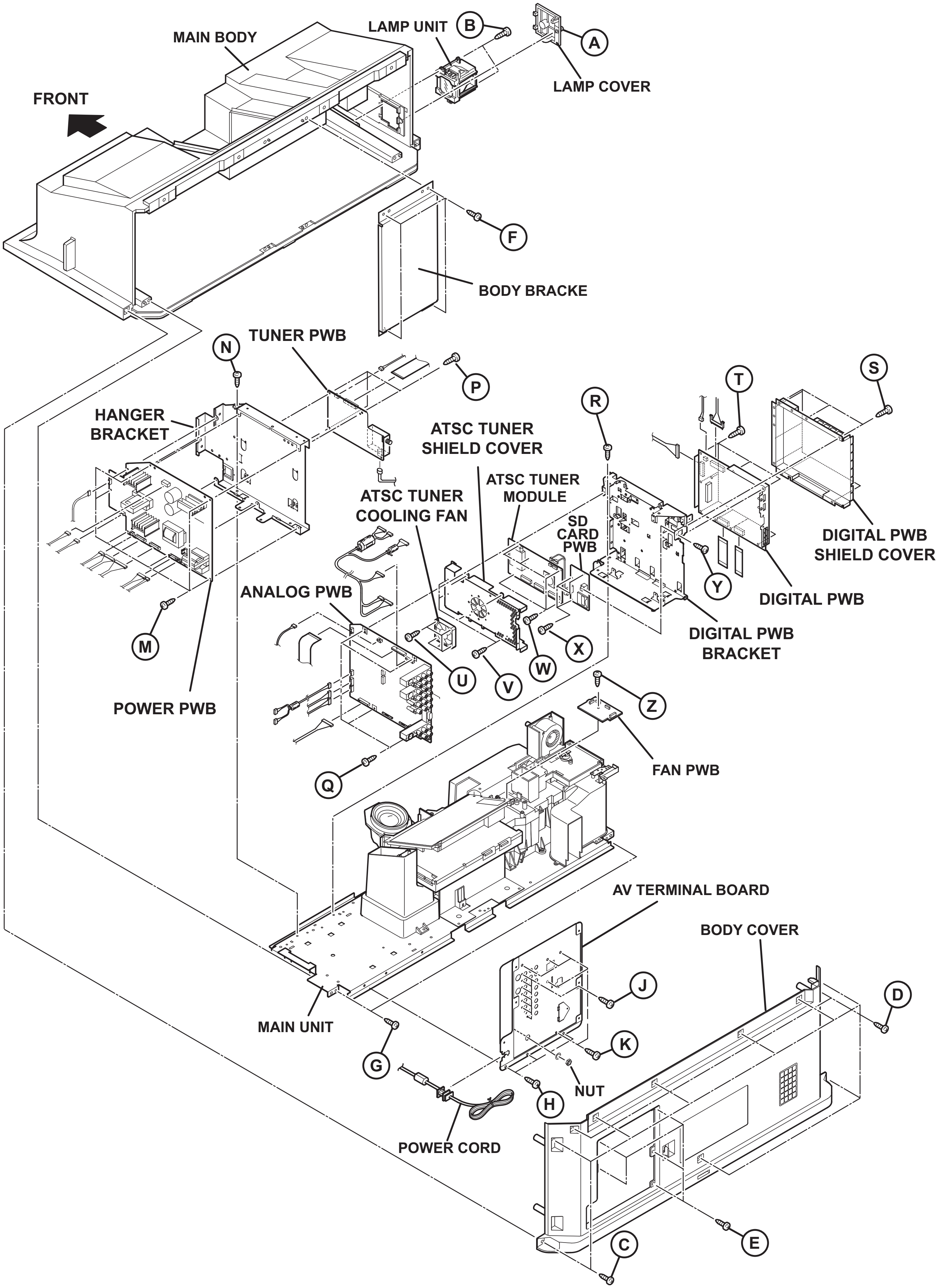

MAIN BODY
LAMP UNIT
B
A
LAMP COVER
FRONT
F
BODY BRACKE
TUNER PWB
N
P
HANGER BRACKET
S
T
R
ATSC TUNER SHIELD COVER
ATSC TUNER MODULE
ATSC TUNER COOLING FAN
SD CARD PWB
DIGITAL PWB SHIELD COVER
Y
DIGITAL PWB
ANALOG PWB
M
X
DIGITAL PWB BRACKET
W
U
V
POWER PWB
Z
FAN PWB
Q
AV TERMINAL BOARD
BODY COVER
J
D
MAIN UNIT
K
G
NUT
H
POWER CORD
E
C

Fig.5

3.1.3.13 REMOVING THE LAMP COVER PWB (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
  (1) Remove the 2 screws **[A]**.
  (2) Remove the LAMP COVER BRACKET with LAMP COVER PWB.
  (3) Remove the 1 screw **[B]**.
  (4) Remove the LAMP COVER PWB.

3.1.3.14 REMOVING THE TERMOSTAT (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
  (1) Remove the 2 screws **[C]**.
  (2) Remove the THERMOSTAT.

3.1.3.15 REMOVING THE LAMP FAN DUCT (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the THERMOSTAT.
  (1) Remove the 5 screws **[D]**.
  (2) Remove the LAMP FAN DUCT.

3.1.3.16 REMOVING THE LAMP COOLING FAN (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the LAMP FAN DUCT.
  (1) Remove the 2 screws **[E]**.
  (2) Remove the COOLING FAN BRACKET by pulling transversally
  (3) Remove the 2 screws **[F]**.
  (4) Remove the LAMP COOLING FAN.

3.1.3.17 REMOVING THE BALLAST UNIT COOLING FAN (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the LAMP FAN DUCT.
- Remove the COOLING FAN BRACKET.
  (1) Remove the 2 screws **[G]**.
  (2) Remove the BALLAST UNIT COOLING FAN.

3.1.3.18 REMOVING THE LAMP BALLAST BLOCK (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
  (1) Remove the 2 screws **[H]**.
  (2) Remove the LAMP BALLAST DUCT.
  (3) Remove the 2 screws **[I]**.
  (4) Remove the LAMP BALLAST UNIT.
  (5) Remove the 1 screw **[J]**.
  (6) Remove the LAMP BALLAST BRACKET.

3.1.3.19 REMOVING THE REMOCON PWB(Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
  (1) Remove the 1 screw **[L]**.
  (2) Remove the REMOCON PWB.

3.1.3.20 REMOVING THE OPTICAL / DRIVE ASS'Y (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the LAMP FAN DUCT.
  (1) Remove the 5 screws **[M]**, 6 screws **[N]** and 1 screw **[O]**.
  (2) Remove the OPTICAL / DRIVE ASS'Y.
    - OPTICAL BLOCK (D-ILA device, PBS, Field lens, Integrater, Mirror etc.)
    - PROJECTION LENS
    - Optical base
    - DRIVE PWB
    - TOP DUCT
    - SHIELD COVER

NOTE :

- The OPTICAL / DRIVE ASS'Y contains precision optical components.
- Handle carefully and avoid imparting strong shock.
- OPTICAL / DRIVE ASS'Y construction
- When not performing repair work, attach the cap on the lens to preventing dust from covering.
- When mounting to the set, make sure the front of the lens side is in contact with the cushion on the body side.
- Do not leave the OPTICAL / DRIVE ASS'Y removed for long time to prevent soiling from dust.

3.1.3.21 REMOVING THE DRIVE PWB (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
  (1) Slide the TOP DUCT PLATE and remove it.
  (2) Remove the 1 screw **[P]** and the 1 screw **[Q]**.
  (3) Remove the TOP DUCT.
  (4) Remove the SHIELD TOP CASE.
  (5) Remove the 2 screws **[R]**.
  (6) Remove the DEVICE SHIELD.
  (7) Remove the 3 screws **[S]** and the 1 screw **[T]**.
  (8) Remove the DRIVE PWB.

3.1.3.22 REMOVING THE OPTICAL BLOCK COOLING FAN (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the LAMP FAN DUCT.
- Remove the OPTICAL / DRIVE ASS'Y
  (1) Remove the 2 screws **[U]**.
  (2) Remove the SIROCCO TOP CASE.
  (3) Remove the 2 screws **[V]**.
  (4) Remove the OPTICAL BLOCK COOLING FAN.

3.1.3.23 REMOVING THE PROJECTION LENS (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
  (1) Remove the 4 screws **[W]**.
  (2) Remove the PROJECTION LENS.

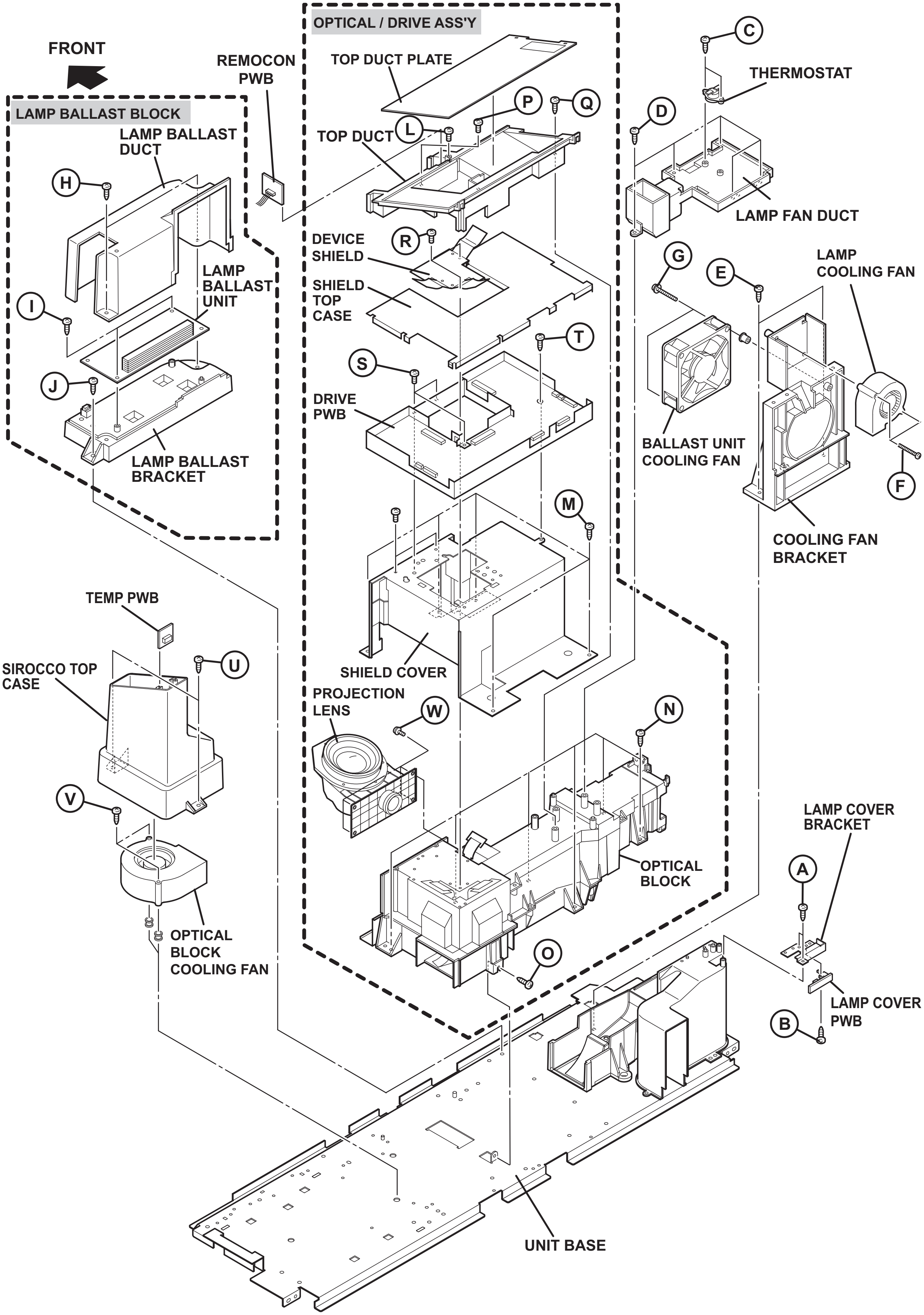

FRONT
LAMP BALLAST BLOCK
LAMP BALLAST DUCT
H
I
LAMP BALLAST UNIT
J
LAMP BALLAST BRACKET
REMOCON PWB
OPTICAL / DRIVE ASS'Y
TOP DUCT PLATE
P
Q
L
TOP DUCT
R
DEVICE SHIELD
SHIELD TOP CASE
T
S
DRIVE PWB
M
SHIELD COVER
PROJECTION LENS
W
N
OPTICAL BLOCK
O
C
THERMOSTAT
D
LAMP FAN DUCT
G
E
LAMP COOLING FAN
BALLAST UNIT COOLING FAN
F
COOLING FAN BRACKET
TEMP PWB
SIROCCO TOP CASE
U
V
OPTICAL BLOCK COOLING FAN
LAMP COVER BRACKET
A
LAMP COVER PWB
B
UNIT BASE

Fig.6

3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.2.1 MEMORY IC TABLE

Simbol	Number of pins	Mounting PWB	Main content of data
IC3741	8-pin	DRIVE PWB	Adjustment and setting data (GAMMA, SHADING, etc.) of IC3701(DRIVE CPU) are memorized.
IC3742	8-pin	DRIVE PWB	Adjustment and setting data (GAMMA, SHADING, etc.) of IC3701(DRIVE CPU) are memorized.
IC7201	48-pin	DIGITAL PWB	Progaram(Video process) of IC6001(System CPU) is memorized.
IC7602	8-pin	DIGITAL PWB	Setting value of IC7601(MAIN CPU) is memorized.

3.2.2 MEMORY IC REPLACEMENT PROCEDURE

1. Power off
Switch off the power and disconnect the power plug from the AC outlet.

2. Replace the memory IC
Be sure to use the memory IC written with the initial setting values.

3. Power on
Connect the power plug to the AC outlet and switch on the power.

4. Receiving channel setting
Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

5. User setting
Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

6. SERVICE MODE setting
Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

3.2.3 SERVICE MODE SETTING

■SERVICE MODE SCREEN

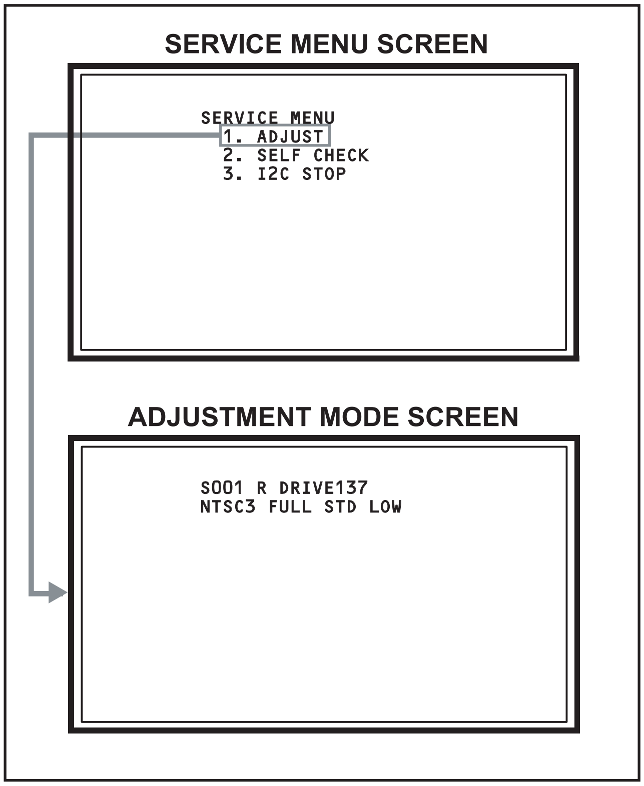


Fig.1

■SETTING ITEM

Setting items	Settings	Item No.
Video system setting	Adjust	S001 - S009
Audio system setting	Adjust	T001 - T003
Main CPU system setting	Fixed	M001 - M224
Drive system setting	Fixed	F001 - F002
(NOT USED)	Fixed	D001
(NOT USED)	Fixed	Z001

3.2.4 SETTINGS OF FACTORY SHIPMENT

3.2.4.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	CABLE-02
VOLUME	10
INPUT	TV

3.2.4.2 REMOTE CONTROL DIRECT OPERATION

Setting item		Setting position
INPUT		TV
CHANNEL		CABLE-02
VOLUME		10
MUTING		OFF
DISPLAY		OFF
ASPECT	NTSC	Reguler
	HD	FULL
SLEEP TIMER		OFF
THEATER PRO		OFF
NATURAL CINEMA		AUTO
C.C.		OFF
MTS		STEREO
TWIN SOURCE	LEFT SIDE	CABLE-02
	RIGHT SIDE	INPUT-1
SOUND	A.H.S.+	OFF
	A.T.C.	ON
	SMART SOUND	OFF
	MaxxBass	OFF

3.2.4.3 REMOTE CONTROL MENU OPERATION

■ PICTURE ADJUST

Customers can adjust the picture setting of menu screen as their own like but the picture standard value during factory shipment is as below.

[NTSC MODE]

Setting item	DYNAMIC	STANDARD	GAME	THEATER
TINT	00	00	00	00
COLOR	+02	00	00	00
PICTURE	+18	00	-10	00
BRIGHT	-03	00	00	00
DETAIL	+10	00	00	00
COLOR TEMPERATURE	HIGH	LOW	HIGH	HIGH
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON
SMART PICTURE	OFF	ON	ON	ON
DIGITAL VNR	AUTO	AUTO	AUTO	AUTO
MPEG NR	OFF	OFF	OFF	OFF

[HD MODE]

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	00	00	00	00
BRIGHT	00	00	00	00
COLOR	+18	00	-10	00
TINT	-03	00	00	00
DETAIL	+10	00	00	00
COLOR TEMPERATURE	HIGH	LOW	HIGH	LOW
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON
SMART PICTURE	OFF	ON	ON	ON
DIGITAL VNR	AUTO	AUTO	AUTO	AUTO
MPEG NR	OFF	OFF	OFF	OFF

■ SOUND ADJUST

Setting item	Setting position
BASS	00
TREBLE	00
BALANCE	00
TURN ON VOLUME	Current
VOLUME LIMIT	50

■ CLOCK / TIMERS

Setting item	Setting position
ON / OFF TIMER	NO

■ INITIAL SETUP

Setting item	Setting position
DIGITAL-IN	AUTO
DIGITAL-IN1 AUDIO	AUTO
NOISE MUTING	ON
FRONT PANEL LOCK	OFF
V1 SMART INPUT	OFF
VIDEO INPUT LABEL	All blank
POSITION ADJUSTMENT	Center
POWER INDICATOR	HIGH
LANGUAGE	ENG.
CLOSED CAPTION	OFF
AUTO SHUT OFF	OFF
XDS ID	ON
AUTO TUNER SETUP	Unnecessary to set
V-CHIP	OFF

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.3.2 SOLDERING IRON

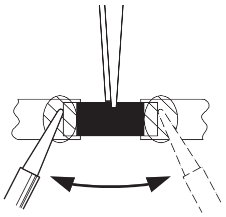
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

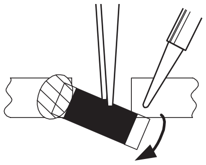
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

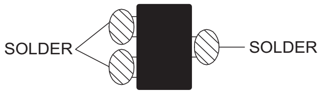


(2) Shift with the tweezers and remove the chip part.

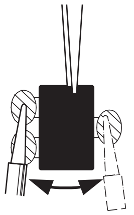


[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



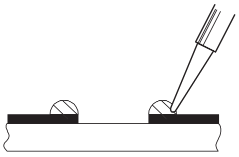
NOTE :

After removing the part, remove remaining solder from the pattern.

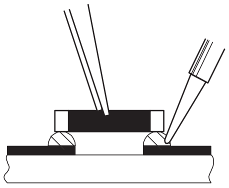
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

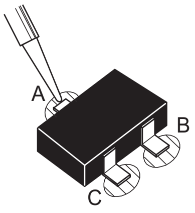


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

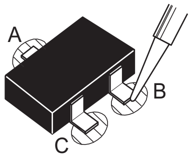


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

(1) **There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.**

(2) **The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.**

(3) Make sure that connection is correctly made AC to AC power source.

(4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.

(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.

(6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Setting item	Settings
VIDEO STATUS	STANDARD
Picture adjustments	00
COLOR TEMPERATURE	LOW
COLOR MANAGEMENT	ON
DYNAMIC GAMMA	ON
SMART PICTURE	OFF
DIGITAL VNR	OFF
MPEG NR	OFF
NATURAL CINEMA	AUTO
Sound adjustments	00
A.H.S.+	OFF
MaxxBass	OFF
SMART SOUND	OFF
ASPECT	FULL

4.3 MEASURING INSTRUMENT AND FIXTURES

- Oscilloscope
- Signal generator (Pattern generator)
  [NTSC / 525i / 525p / 750p / 1125i]
- TV audio multiplex signal generator
- Remote control unit

4.4 ADJUSTMENT ITEMS

■ **FOCUS**
- LENS FOCUS adjustment

■ **DRIVE CIRCUIT**
- DRIVE CONVERGENCE adjustment
- DRIVE CENTER POSITION adjustment

■ **VIDEO CIRCUIT**
- WHITE BALANCE (HIGHLIGHT) adjustment

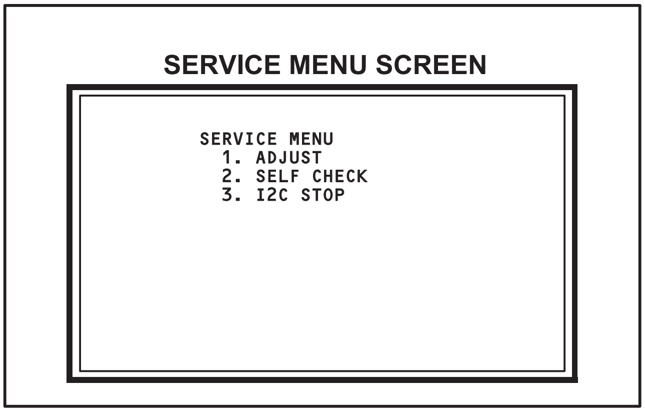
■ **MTS CIRCUIT**
- MTS INPUT LEVEL adjustment
- MTS SEPARATION adjustment

4.5 BASIC OPERATION OF SERVICE MODE

4.5.1 HOW TO ENTER THE SERVICE MODE

(1) Set to **"0 minutes"** using the **[SLEEP TIMER]** key.

(2) While **"0 minutes"** is displayed, press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE (Fig.1)


SERVICE MENU SCREEN

```
SERVICE MENU
  1. ADJUST
  2. SELF CHECK
  3. I2C STOP
```

Fig.1

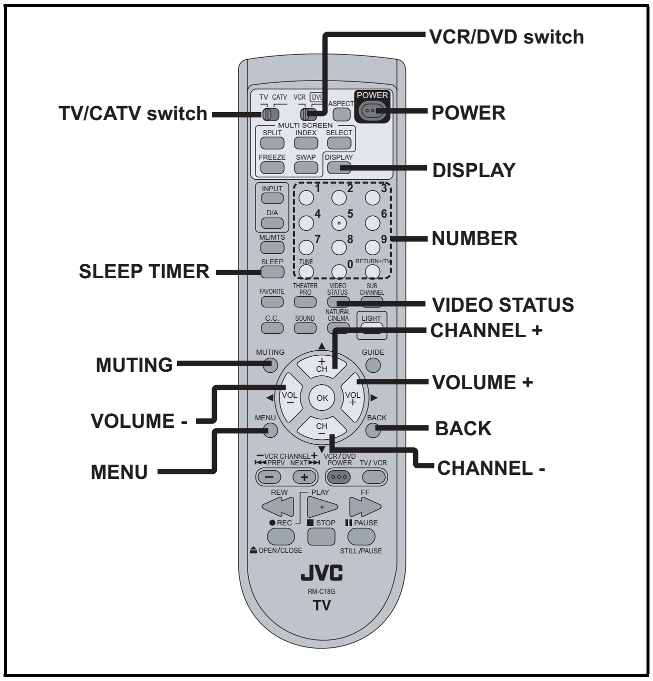
NOTE:

- Before entering the SERVICE MODE, confirm that the setting of **TV/CATV** switch of the REMOTE CONTROL UNIT is at the "TV" side and the setting of **VCR/DVD** switch is at the "**VCR**" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.
- When a number key other than the **[1]** or **[9]** keys is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed.
  This is not used in the adjustment procedure. Press the **[MENU]** key to return to the SERVICE MENU SCREEN.

4.5.2 HOW TO EXIT THE SERVICE MODE

Press the **[BACK]** key to exit the Service mode.

4.5.3 SERVICE MODE SELECT KEY LOCATION


VCR/DVD switch
TV/CATV switch
POWER
DISPLAY
NUMBER
SLEEP TIMER
VIDEO STATUS
CHANNEL +
MUTING
VOLUME +
VOLUME -
BACK
MENU
CHANNEL -
JVC
RM-C18G
TV

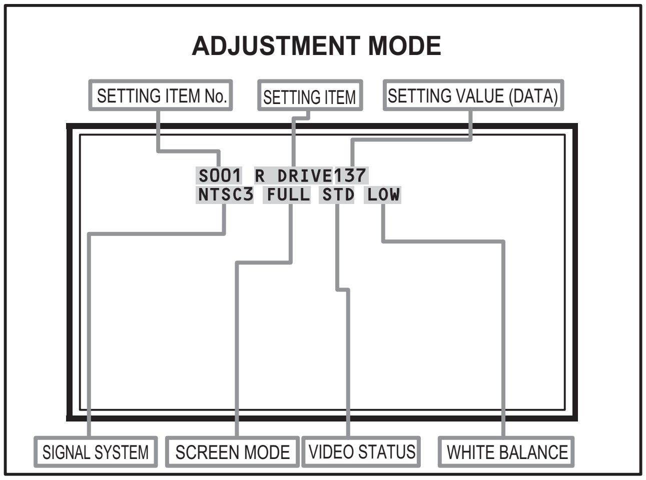
4.5.4 ADJUSTMENT MODE

This mode is used to adjust the VIDEO CIRCUIT and the MTS CIRCUIT.

4.5.4.1 HOW TO ENTER THE ADJUSTMENT MODE

When the SERVICE MENU SCREEN of SERVICE MODE is displayed, press **[1]** key to enter the **ADJUSTMENT MODE (Fig.2)**.

4.5.4.2 DESCRIPTION OF STATUS DISPLAY OF ADJUSTMENT MODE


ADJUSTMENT MODE
SETTING ITEM No.
SETTING ITEM
SETTING VALUE (DATA)
SIGNAL SYSTEM
SCREEN MODE
VIDEO STATUS
WHITE BALANCE

```
S001 R DRIVE137
NTSC3 FULL STD LOW
```

Fig.2

(1) SIGNAL SYSTEM

The signal displayed on the screen is displayed.

NTSC3	: 525i (Composite / S-video input)
525I	: 525i (Component input)
525P	: 525p
1125I6	: 1125i
750P	: 750p
H525I	: HDMI 525i
H525P	: HDMI 525p
H1125I6	: HDMI 1125i
H750P	: HDMI 750p
D525I	: ATSC 525i
D525P	: ATSC 525p
D1125I6	: ATSC 1125i

(2) SCREEN MODE

State of the SCREEN SIZE or MULTI PICTURE is displayed.

SINGLE SCREEN

FULL	: FULL
1609	: CINEMA, CINEMA ZOOM
PANO	: PANORAMA, HD PANORAMA
REGU	: REGULAR, SLIM

MULTI SCREEN

M2	: TWIN, FREEZE screen
M12	: INDEX screen

(3) VIDEO STATUS

STD : STANDARD
DYN : DYNAMIC
TH : THEATER
GAME : GAME

(4) WHITE BALANCE

HIGH : HIGH
LOW : LOW

(5) SETTING ITEM NAME

Setting item name are displayed. The setting item numbers to be displayed are listed below.

Item No.	Setting item
S001 - S009	Video system setting
T001 - T003	Audio system setting
M001 - M224	Main CPU system setting
F001 - F002	Drive system setting
D001	(NOT USED)
Z001	(NOT USED)

(6) SETTING ITEM NO.

Setting item numbers are displayed. For the setting item names to be displayed, refer to "Initial setting value of adjustment mode".

(7) SETTING VALUE (DATA)

The SETTING VALUE is displayed.

4.5.4.3 CHANGE AND MEMORY OF SETTING VALUE

■SELECTION OF SETTING ITEM

- **[CH+]** / **[CH-]** key.
  Change the setting items up/ down.

S001... ↔ T001... ↔ M001... ↔ F001... ↔ D001... ↔ Z001...

- **[SLEEP TIMER]** key.
  Switches to the next items.

S001 → T001 → M001 → F001 → D001 → Z001

■CHANGE OF SETTING VALUE (DATA)

- **[VOL+]** / **[VOL-]** key.
  Change the setting values up/down.

■MEMORY OF SETTING VALUE (DATA)

Changed setting value is memorized by pressing **[MUTING]** key.

4.5.5 RGB BOX PATTERN MODE

This mode is used to adjust the DRIVE CIRCUIT.

4.5.5.1 HOW TO ENTER THE RGB BOX PATTERN MODE

When the SERVICE MENU SCREEN of SERVICE MODE is displayed, press **[9]** key to enter the **RGB BOX PATTERN MODE (Fig3)**.

4.5.5.2 DESCRIPTION OF STATUS DISPLAY OF RGB BOX PATTERN MODE

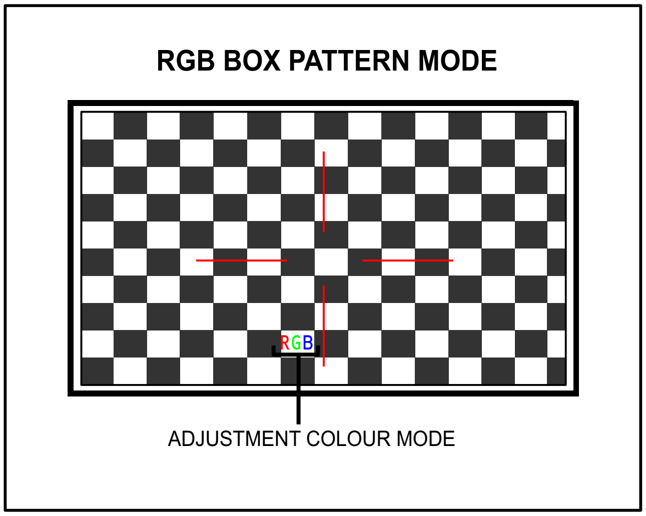


Fig.3

(1) RGB BOX PATTERN

The checkered pattern is displayed. White is a synthesis of RGB.

(2) ADJUSTMENT COLOR MODE

Presently selected ADJUSTMENT COLOR MODE is displayed.

■SELECTION OF SETTING ITEM

- **[CH+]** / **[CH-]** key.
  Move the selected RGB BOX PATTERN up/ down pixel by pixel.

- **[VOL+]** / **[VOL-]** key.
  Move the selected RGB BOX PATTERN left/ right pixel by pixel.

- **[SLEEP TIMER]** key.
  Adjusts the data reset.

- **[DISPLAY]** key.
  Adjusts the selected COLOR BOX PATTERN.

R → B → RGB

- **[BACK]** key.
  Returns to the SERVICE MENU SCREEN from the RGB BOX PATTERN MODE.

■MEMORY OF SETTING VALUE (DATA)

With the RGB BOX PATTERN MODE, the changed date is written in the MEMORY instantly.

4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

4.6.1 VIDEO SYSTEM SETTING

Item No.	Item	Variable range	Setting value
S001	R DRIVE	000 - 255	136
S002	G DRIVE	000 - 255	138
S003	B DRIVE	000 - 255	138
S004	RESREV	000 - 255	000
S005	RESREV	000 - 255	002
S006	RESREV	000 - 255	002
S007	RESREV	000 - 255	002
S008	RESREV	000 - 255	002
S009	RESREV	000 - 255	002

4.6.2 AUDIO SYSTEM SETTING

Item No.	Item	Variable range	Setting value
T001	INPLEVEL	000 - 015	006
T002	LOWSEPA	000 - 063	020
T003	HIGHSEPA	000 - 063	038

4.6.3 MAIN CPU SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
M001	1E00	00 - FF	00
M002	1E01	00 - FF	00
M003	1E02	00 - FF	0A
M004	1E03	00 - FF	3B
M005	1E04	00 - FF	10
M006	1E05	00 - FF	00
M007	1E06	00 - FF	00
M008	1E07	00 - FF	00
M009	1E08	00 - FF	10
M010	1E09	00 - FF	00
M011	1E0A	00 - FF	05
M012	1E0B	00 - FF	00
M013	1E0C	00 - FF	01
M014	1E0D	00 - FF	00
M015	1E0E	00 - FF	00
M016	1E0F	00 - FF	00
M017	1E10	00 - FF	00
M018	1E11	00 - FF	00
M019	1E12	00 - FF	00
M020	1E13	00 - FF	01
M021	1E14	00 - FF	01
M022	1E15	00 - FF	00
M023	1E16	00 - FF	00
M024	1E17	00 - FF	00
M025	1E18	00 - FF	00
M026	1E19	00 - FF	00
M027	1E1A	00 - FF	00
M028	1E1B	00 - FF	00
M029	1E1C	00 - FF	00
M030	1E1D	00 - FF	00
M031	1E1E	00 - FF	00
M032	1E1F	00 - FF	00
M033	1E20	00 - FF	00
M034	1E21	00 - FF	00
M035	1E22	00 - FF	00
M036	1E23	00 - FF	00
M037	1E24	00 - FF	00
M038	1E25	00 - FF	00
M039	1E26	00 - FF	00
M040	1E27	00 - FF	00
M041	1E28	00 - FF	00
M042	1E29	00 - FF	00
M043	1E2A	00 - FF	00
M044	1E2B	00 - FF	00
M045	1E2C	00 - FF	00
M046	1E2D	00 - FF	00
M047	1E2E	00 - FF	00
M048	1E2F	00 - FF	00
M049	1E30	00 - FF	00
M050	1E31	00 - FF	00
M051	1E32	00 - FF	00
M052	1E33	00 - FF	00
M053	1E34	00 - FF	00
M054	1E35	00 - FF	00
M055	1E36	00 - FF	02
M056	1E37	00 - FF	00
M057	1E38	00 - FF	01
M058	1E39	00 - FF	06
M059	1E3A	00 - FF	10
M060	1E3B	00 - FF	83
M061	1E3C	00 - FF	00
M062	1E3D	00 - FF	00
M063	1E3E	00 - FF	00
M064	1E3F	00 - FF	00
M065	1E40	00 - FF	00
M066	1E41	00 - FF	00
M067	1E42	00 - FF	02
M068	1E43	00 - FF	03
M069	1E44	00 - FF	04
M070	1E45	00 - FF	03
M071	1E46	00 - FF	02
M072	1E47	00 - FF	00

Item No.	Item	Variable range	Setting value
M073	1E48	00 - FF	00
M074	1E49	00 - FF	00
M075	1E4A	00 - FF	00
M076	1E4B	00 - FF	00
M077	1E4C	00 - FF	00
M078	1E4D	00 - FF	00
M079	1E4E	00 - FF	00
M080	1E4F	00 - FF	00
M081	1E50	00 - FF	00
M082	1E51	00 - FF	00
M083	1E52	00 - FF	00
M084	1E53	00 - FF	00
M085	1E54	00 - FF	00
M086	1E55	00 - FF	00
M087	1E56	00 - FF	00
M088	1E57	00 - FF	00
M089	1E58	00 - FF	00
M090	1E59	00 - FF	00
M091	1E5A	00 - FF	00
M092	1E5B	00 - FF	00
M093	1E5C	00 - FF	01
M094	1E5D	00 - FF	00
M095	1E5E	00 - FF	00
M096	1E5F	00 - FF	00
M097	1E60	00 - FF	00
M098	1E61	00 - FF	00
M099	1E62	00 - FF	00
M100	1E63	00 - FF	00
M101	1E64	00 - FF	00
M102	1E65	00 - FF	00
M103	1E66	00 - FF	00
M104	1E67	00 - FF	00
M105	1E68	00 - FF	00
M106	1E69	00 - FF	00
M107	1E6A	00 - FF	02
M108	1E6B	00 - FF	00
M109	1E6C	00 - FF	00
M110	1E6D	00 - FF	00
M111	1E6E	00 - FF	00
M112	1E6F	00 - FF	00
M113	1E70	00 - FF	00
M114	1E71	00 - FF	00
M115	1E72	00 - FF	00
M116	1E73	00 - FF	00
M117	1E74	00 - FF	00
M118	1E75	00 - FF	00
M119	1E76	00 - FF	00
M120	1E77	00 - FF	00
M121	1E78	00 - FF	03
M122	1E79	00 - FF	00

Item No.	Item	Variable range	Setting value
M123	1E7A	00 - FF	00
M124	1E7B	00 - FF	00
M125	1E7C	00 - FF	00
M126	1E7D	00 - FF	00
M127	1E7E	00 - FF	01
M128	1E7F	00 - FF	00
M129	1E80	00 - FF	01
M130	1E81	00 - FF	00
M131	1E82	00 - FF	01
M132	1E83	00 - FF	00
M133	1E84	00 - FF	00
M134	1E85	00 - FF	00
M135	1E86	00 - FF	00
M136	1E87	00 - FF	00
M137	1E88	00 - FF	00
M138	1E89	00 - FF	00
M139	1E8A	00 - FF	00
M140	1E8B	00 - FF	00
M141	1E8C	00 - FF	00
M142	1E8D	00 - FF	00
M143	1E8E	00 - FF	00
M144	1E8F	00 - FF	00
M145	1E90	00 - FF	00
M146	1E91	00 - FF	00
M147	1E92	00 - FF	00
M148	1E93	00 - FF	00
M149	1E94	00 - FF	00
M150	1E95	00 - FF	00
M151	1E96	00 - FF	00
M152	1E97	00 - FF	00
M153	1E98	00 - FF	00
M154	1E99	00 - FF	00
M155	1E9A	00 - FF	01
M156	1E9B	00 - FF	00
M157	1E9C	00 - FF	03
M158	1E9D	00 - FF	00
M159	1E9E	00 - FF	00
M160	1E9F	00 - FF	00
M161	1EA0	00 - FF	00
M162	1EA1	00 - FF	00
M163	1EA2	00 - FF	01
M164	1EA3	00 - FF	00
M165	1EA4	00 - FF	00
M166	1EA5	00 - FF	00
M167	1EA6	00 - FF	00
M168	1EA7	00 - FF	00
M169	1EA8	00 - FF	00
M170	1EA9	00 - FF	00
M171	1EAA	00 - FF	00
M172	1EAB	00 - FF	00

Item No.	Item	Variable range	Setting value
M173	1EAC	00 - FF	09
M174	1EAD	00 - FF	00
M175	1EAE	00 - FF	00
M176	1EAF	00 - FF	00
M177	1EB0	00 - FF	0A
M178	1EB1	00 - FF	00
M179	1EB2	00 - FF	01
M180	1EB3	00 - FF	00
M181	1EB4	00 - FF	00
M182	1EB5	00 - FF	00
M183	1EB6	00 - FF	00
M184	1EB7	00 - FF	00
M185	1EB8	00 - FF	00
M186	1EB9	00 - FF	00
M187	1EBA	00 - FF	00
M188	1EBB	00 - FF	00
M189	1EBC	00 - FF	00
M190	1EBD	00 - FF	00
M191	1EBE	00 - FF	00
M192	1EBF	00 - FF	00
M193	1EC0	00 - FF	00
M194	1EC1	00 - FF	00
M195	1EC2	00 - FF	00
M196	1EC3	00 - FF	00
M197	1EC4	00 - FF	00
M198	1EC5	00 - FF	00
M199	1EC6	00 - FF	00
M200	1EC7	00 - FF	00
M201	1EC8	00 - FF	00
M202	1EC9	00 - FF	00
M203	1ECA	00 - FF	00
M204	1ECB	00 - FF	00
M205	1ECC	00 - FF	02
M206	1ECD	00 - FF	00
M207	1ECE	00 - FF	00
M208	1ECF	00 - FF	00
M209	1ED0	00 - FF	00
M210	1ED1	00 - FF	00
M211	1ED2	00 - FF	00
M212	1ED3	00 - FF	00
M213	1ED4	00 - FF	00
M214	1ED5	00 - FF	FF
M215	1ED6	00 - FF	00
M216	1ED7	00 - FF	00
M217	1ED8	00 - FF	00
M218	1ED9	00 - FF	00
M219	1EDA	00 - FF	00
M220	1EDB	00 - FF	00
M221	1EDC	00 - FF	00
M222	1EDD	00 - FF	00
M223	1EDE	00 - FF	00
M224	1EDF	00 - FF	00

4.6.4 DRIVE SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
F001	DD	000 - 001	000
F002	RAM REF	000 - 001	000

4.6.5 NOT USED (Fixed values)

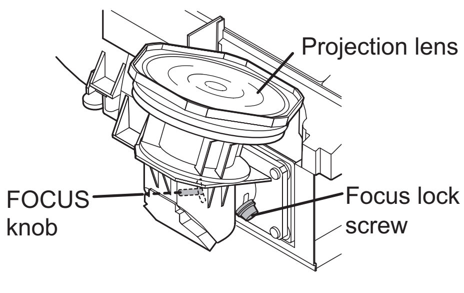
Item No.	Item	Variable range	Setting value
D001	RESREV	000 - 255	002

4.6.6 NOT USED (Fixed values)

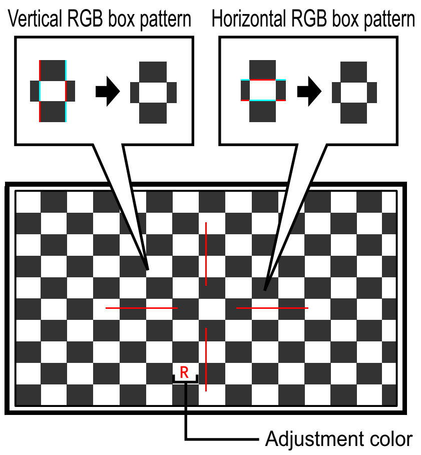
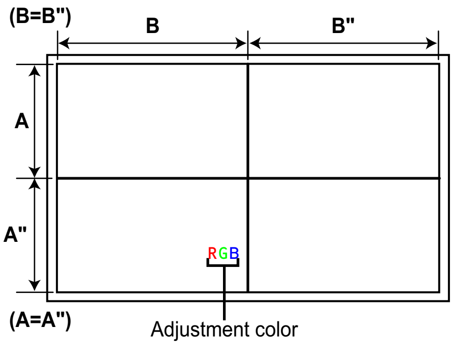
Item No.	Item	Variable range	Setting value
Z001	RESREV	000 - 255	002

4.7 ADJUSTMENT PROCEDURE

4.7.1 FOCUS

Item	Measuring instrument	Test point	Adjustment part	Description
LENS FOCUS	Hexagon wrench (2.5mm)		FOCUS knob [PROJECTION LENS]	(1) Remove the SPEAKER GRILL and CENTER PANEL. (2) Display the MENU screen. (3) Loosen the focus lock screw. (4) Adjust the **FOCUS knob** so that the center screen may become the best focus. (5) Fix the focus lock screw by using the Hexagon wrench. • On this occasion, hold the FOCUS knob with your left hand. (6) Confirm the whole focus of the best screen. (7) Install the CENTER PANEL and SPEAKER GRILL.
				

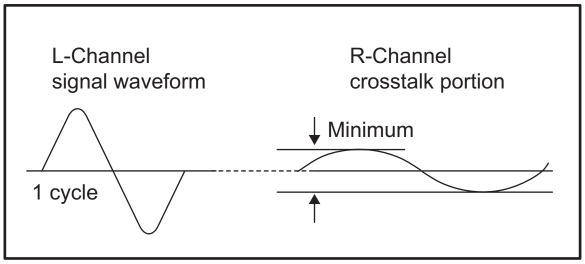
4.7.2 DRIVE CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
DRIVE CONVERGENCE  Vertical RGB box pattern Horizontal RGB box pattern R Adjustment color	Remote control unit		[9.RGB BOX PATTERN]	(1) Set to **"0 minutes"** using the **[SLEEP TIMER]** key. (2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, to enter the SERVICE MODE. (3) Press the **[9]** key, to select "**RGB BOX PATTERN MODE**" from the SERVICE MODE. (4) Set the adjustment color mode to "R" to set the red color adjustment mode. (5) At Horizontal RGB box pattern, adjust the top edge position as same or less than 0.5 pixel hight as green. (6) At Vertical RGB box pattern, adjust the right edge position as same or less than 0.5 pixel hight as green. (7) Set the adjustment color mode to "B" to set the blue color adjustment mode. (8) At Horizontal RGB box pattern, adjust the top edge position as same or less than 0.5 pixel hight as green. (9) At Vertical RGB box pattern, adjust the right edge position as same or less than 0.5 pixel hight as green. (10) Check to see that the cross pattern is white. If the cross pattern is not white, repeat the step 4. to 9. as abobe. **NOTE:** • Green is a fixed. (It can not be removed.) • With this adjustment mode, the changed data is written in the MEMORY instantly.
DRIVE CENTER POSITION  (B=B") B B" A A" RGB (A=A") Adjustment color	Remote control unit Signal generator		[9.RGB BOX PATTERN]	(1) Receive a center cross (or crosshatch) pattern. (2) Set to **"0 minutes"** using the **[SLEEP TIMER]** key. (3) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, to enter the SERVICE MODE. (4) Press the **[9]** key, to select "**RGB BOX PATTERN MODE**" from the SERVICE MODE. (5) Set the adjustment color mode to "RGB" to set the display position adjustment mode. (6) Adjust the top and the bottom width to make **A** and **A"** even. (7) Adjust the left and the right width to make **B** and **B"** even. **NOTE:** • With this adjustment mode, the changed data is written in the MEMORY instantly.

4.7.3 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (HIGHLIGHT)	Remote control unit Signal generator		[1.ADJUST] S001: R DRIVE (Red drive) S002: G DRIVE (Green drive) S003: B DRIVE (Blue drive)	(1) Receive a NTSC 75% all white pattern. (2) Set "VIDEO STATUS" to **"STANDARD"**. (3) Set "ASPECT" to **"FULL"**. (4) Select "COLOR TEMPERATURE" to **"LOW"**. (5) Select **"1.ADJUST"** from the SERVICE MODE. (6) Adjust to keep one of **< S001 >** (Red drive), **< S002 >** (Green drive) or **< S003 >** (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout. **NOTE:** Set one or more of **< S001 >**, **< S002 >**, and **< S003 >** to **"138"**. (7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it. (8) Press the **[MUTING]** key to memoirze the set value.

4.7.4 MTS CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
MTS INPUT LEVEL	Remote control unit		[1.ADJUST] T001: IN LEVEL	(1) Receive the any broadcast. (2) Select **"1.ADJUST"** from the SERVICE MODE. (3) Verify that the **< T001 >** (IN LEVEL) is set at its initial setting value. (4) Press the **[MUTING]** key to memorize the set value.
MTS SEPARATION	TV audio multiplex signal generator Oscilloscope Remote control unit	L OUT R OUT	[1.ADJUST] T002: LOW SEP T003: HI SEP	(1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. (2) Connect an oscilloscope to **L OUT** pin of the **AUDIO OUT**, and display one cycle portion of the 300Hz signal. (3) Change the connection of the oscilloscope to **R OUT** pin of the **AUDIO OUT**, and enlarge the voltage axis. (4) Select **"1.ADJUST"** from the SERVICE MODE. (5) Set the initial setting value of the **< T002 >** (LOW SEP). (6) Adjust the **< T002 >** so that the stroke element of the 300Hz signal will become minimum. (7) Change the signal to 3kHz, and similarly adjust the **< T003>** (HI SEP). (8) Press the **[MUTING]** key to memorize the set value.
 L-Channel signal waveform R-Channel crosstalk portion Minimum 1 cycle				

SECTION 5
TROUBLESHOOTING

5.1 SELF CHECK FEATURE

5.1.1 OUTLINE

This unit comes with the "Self check" feature, which checks the operational state of the circuit and displays/saves it during failure.Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time.Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of I^2C bus and the various control lines connected to the main microcomputer.

5.1.2 HOW TO ENTER THE SELF CHECK MODE

Before entering the Self check mode, confirm that the setting of **TV/CATV** SW of the REMOTE CONTROL UNIT is at the **"TV"** side and the setting of **VCR/DVD** SW is at the **"VCR"** side. If the switches have not been properly set, you cannot enter the Self check mode.

(1) Set to "**0 minutes**" using the **[SLEEP TIMER]** key.
(2) While **"0 minutes"** is displayed, press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the service mode.
(3) Press the **[2]** key (SELF CHECK) before the service mode screen disappears.
(4) Self check mode screen is displayed.
(5) Press the **[SLEEP TIMER]** key to enter Page 2 of the SELF CHECK MODE.
- When the **[RETURN+]** key pressed, the first page change screen.

NOTE:

When a number key other than the **[2]** key is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed.
This is not used in the SELF CHECK. Press the **[MENU]** key to return to the SERVICE MENU SCREEN.

5.1.3 HOW TO EXIT THE SELF CHECK MODE

TO SAVE FAILURE HISTORY:

Turn off the power by unplugging the AC power cord plug when in the Self check mode.

TO CLEAR (RESET) FAILURE HISTORY:

Turn off the power by pressing the **[POWER]** key on the remote control unit when in the Self check mode.

5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item. When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

NOTE:

Only SYNC (with/without sync signals) will be neither counted nor stored.

5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be diagnosed as "Abnormal" and displayed and counted as "NG".

(1) Temporary defective transmissions across circuits due to pulse interruptions
(2) Misalignment in the on/off timing of power for I^2C bus (VCC) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start Self check check only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis reults.

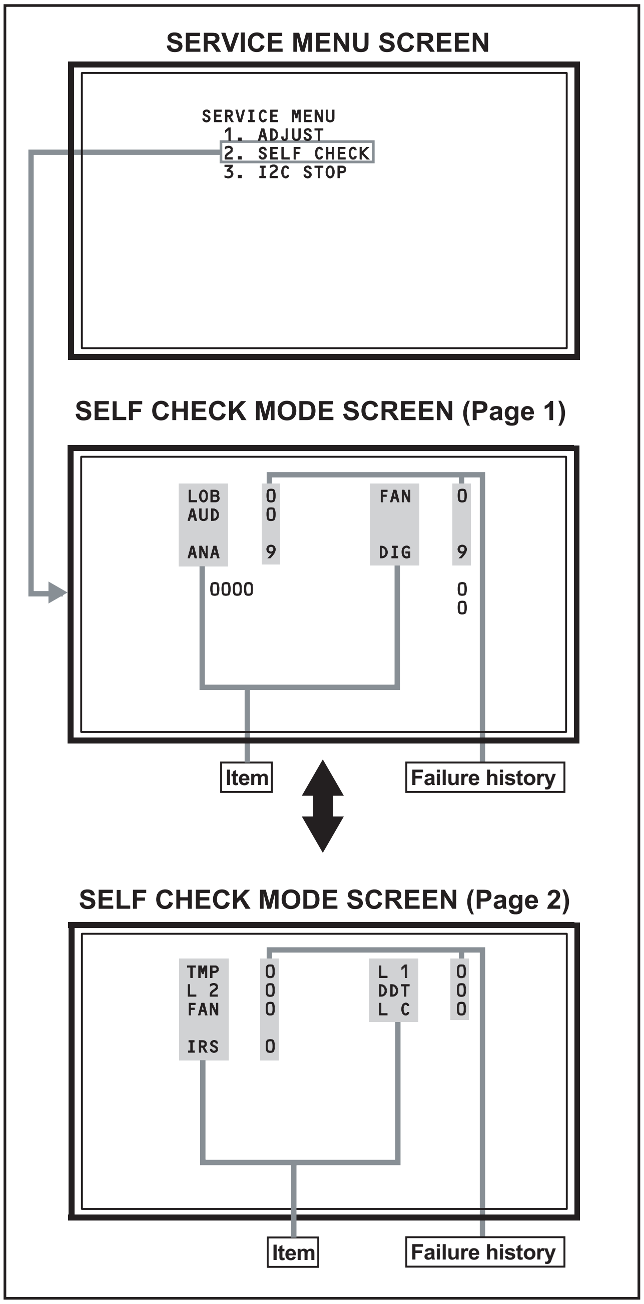


Fig.1

5.1.6 DETAILS

Self check is performed for the following items:

< Page 1 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Low bias line short protection	LOB	Detection of the low bias line(5V/9V/12V) short. Q9821, Q9831, Q9861 **[POWER PWB**]	LB_PRO	Detection starts 3 seconds after the power is turned on. If error continues between 200ms the power is turned off.
Fan lock	FAN	Not used	----	----
Audio	AUD	Not used	----	----
Devices on the ANALOG PWB	ANA	Confirmation of reply of ACK signal which uses I2C communication. IC101, IC102, IC381, IC601, IC606, IC061, TU001 **[ANALOG PWB]**	SDA	If it checks whenever I2C communication is performed and no reply of ACK signal an error will be counted.
Devices on the DIGITAL PWB	DIG	Confirmation of reply of ACK signal which uses I2C communication. IC6401 **[DIGITAL PWB]**	SDA	If it checks whenever I2C communication is performed and no reply of ACK signal an error will be counted.

< Page 2 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Temp. sensor	TMP	Confirmation of the abnormal inner cabinet temperature. (53°C) IC2001 **[TEMP PWB]**	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.
Lamp does not light up	L1	Confirm that the lamp dose not light up. CN3011 **[DRIVE PWB]**	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.
Lamp goes out	L2	Confirm that the lamp dose not goes out. CN3011 **[DRIVE PWB]**	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.
Abnormal DD CPU circuit	DDT	Confirmation of the serial communication error between DRIVE PWB and DIGITAL PWB. IC3701 **[DRIVE PWB]**	TXD	It will count if the serial communication error is error occurs.
Fan lock	FAN	Confirmation of the lock signals outputting the operation(circuit) status of the cooling fan. IC8005 **[FAN PWB]**	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.
Lamp cover open	LC	Confirmation of the interlock switch status for the lamp cover. S0861 **[LAMP COVER PWB]**	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.
Abnormal of optical iris	IRS	Not used	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.

5.1.7 DISPLAY METHOD WHEN RASTER IS NOT AVAILABLE

In a state where a display screen does not appear due to the failure of this unit, the POWER LED (blue) and LAMP/PROGRAM LED (orange) can be flushing and display a trouble mode.

The factors in case the power is forcibly shut down at the time of failure are memorized and those are displayed.

Check item	Contents	Classifications	LED flash cycle	
			POWER LED (BLUE)	LAMP/ PROGRAM LED (ORANGE)
Fan lock (stop) and CABLE CARD error for ATSC tuner	MAIN CPU detects the command of the Fan lock (stop) and CABLE CARD error which ATSC TUNER MODULE has detected. IC7601 **[DIGITAL PWB]**	1	---	2 sec interval
Low bias line short protection	Detection of the low bias line(5V/9V/12V) short. Q9821, Q9831, Q9861 **[POWER PWB]**	2	---	1 sec interval
Lamp cover open	Detection of the interlock switch status for the lamp cover. (H = Abnormal) S0861 **[LAMP COVER PWB]**	3	0.1 sec interval Simultaneously	
Lamp goes out	Detection of lamp return (LAMP_RTN) signals output depending on the status of the lamp supply electric current monitored constantly within the lamp ballast unit. (H = Off) CN3011 **[DRIVE PWB]**	6	0.1 sec interval Simultaneously	
Lamp does not light up	Detection of lamp return (LAMP_RTN) signals output depending on the status of the lamp supply electric current monitored constantly within the lamp ballast unit. (H = Off) CN3011 **[DRIVE PWB]**	6	0.1 sec interval Simultaneously	
Fan lock (stop) for optical system	Detection of LOCK signals outputting the operation (circuit) status of the cooling fan. (H=Abnormal) IC8005 **[FAN PWB]**	4	0.5 sec interval Alternately	
Abnormal DD CPU circuit	Detection of serial communication error between MAIN DRIVE PWB and RECEIVER PWB. IC3701 **[DRIVE PWB]**	5	0.5 sec interval Alternately	
Abnormal D-ILA DEVICE temperature	Detection of abnormal inner cabinet temperature. (53°C) IC2001 **[TEMP PWB]**	7	0.5 sec interval Alternately	

EXPLANATION ON ACTION

If NG is detected on an item being diagnosed, turn off the power on this unit. As soon as the power goes off, turn on and off POWER LED and LAMP LED immediately. After the power is shut down, it becomes impossible to turn on the power until the power cable is either plugged in or unplugged from the AC outlet.

- When the error of [1] or [2] occur, [3], [4], [5], [6], [7] are no longer recognized.

Victor Company of Japan, Limited
ILA Display Category 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

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VPT

PARTS LIST

CAUTION

- ■ The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- ■ The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- ■ P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		**CAPACITORS**	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT ... 3-4
EXPLODED VIEW PARTS LIST -1 [HD-52G657,HD-56G647,HD-56G657] ... 3-4
EXPLODED VIEW -1 [HD-52G657,HD-56G647,HD-56G657] ... 3-5
EXPLODED VIEW PARTS LIST -2 [HD-52G657,HD-56G647,HD-56G657] ... 3-6
EXPLODED VIEW -2 [HD-52G657,HD-56G647,HD-56G657] ... 3-7
EXPLODED VIEW PARTS LIST -3 [HD-61G657] ... 3-8
EXPLODED VIEW -3 [HD-61G657] ... 3-9
EXPLODED VIEW PARTS LIST - 4 [HD-61G657] ... 3-10
EXPLODED VIEW - 4 [HD-61G657] ... 3-10
EXPLODED VIEW PARTS LIST -5 ... 3-11
EXPLODED VIEW -5 ... 3-12
EXPLODED VIEW PARTS LIST -6 ... 3-13
EXPLODED VIEW -6 ... 3-14

PRINTED WIRING BOARD PARTS LIST [HD-52G657] ... 3-15
- ANALOG P.W. BOARD ASS'Y (SRA-1012A-M2) ... 3-15
- DRIVE P.W. BOARD ASS'Y (SRA-3005A-M2) ... 3-18
- REMOCON P.W. BOARD ASS'Y (SRA-8011A-M2) ... 3-22
- TEMP P.W. BOARD ASS'Y (SRA-8202A-M2) ... 3-23
- FAN P.W. BOARD ASS'Y (SRA-8401A-M2) ... 3-23
- SD CARD P.W. BOARD ASS'Y (SRA-8511A-M2) ... 3-23
- POWER P.W. BOARD ASS'Y (SRA-9011A-M2) ... 3-23
- DIGITAL P.W. BOARD ASS'Y (SRA0D019A-M2) ... 3-25
- SIDE CONTROL P.W. BOARD ASS'Y (SRA0L011A-M2) ... 3-29
- FRONT LED P.W. BOARD ASS'Y (SRA0L111A-M2) ... 3-30
- LAMP COVER P.W. BOARD ASS'Y (SRA0L211A-M2) ... 3-30
- TUNER P.W. BOARD ASS'Y (SRA0R011A-M2) ... 3-30
- ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2203A-M2) ... 3-30

PRINTED WIRING BOARD PARTS LIST [HD-56G647] ... 3-31
- ANALOG P.W. BOARD ASS'Y (SRA-1012A-M2) ... 3-31
- DRIVE P.W. BOARD ASS'Y (SRA-3005A-M2) ... 3-31
- REMOCON P.W. BOARD ASS'Y (SRA-8011A-M2) ... 3-31
- TEMP P.W. BOARD ASS'Y (SRA-8202A-M2) ... 3-31
- FAN P.W. BOARD ASS'Y (SRA-8401A-M2) ... 3-31
- SD CARD P.W. BOARD ASS'Y (SRA-8511A-M2) ... 3-31
- POWER P.W. BOARD ASS'Y (SRA-9011A-M2) ... 3-31
- DIGITAL P.W. BOARD ASS'Y (SRA0D021A-M2) ... 3-31
- SIDE CONTROL P.W. BOARD ASS'Y (SRA0L011A-M2) ... 3-35
- FRONT LED P.W. BOARD ASS'Y (SRA0L111A-M2) ... 3-35
- LAMP COVER P.W. BOARD ASS'Y (SRA0L211A-M2) ... 3-35
- TUNER P.W. BOARD ASS'Y (SRA0R011A-M2) ... 3-35
- ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2203A-M2) ... 3-35

PRINTED WIRING BOARD PARTS LIST [HD-56G657] 3-36
ANALOG P.W. BOARD ASS'Y (SRA-1012A-M2) 3-36
DRIVE P.W. BOARD ASS'Y (SRA-3005A-M2) 3-36
REMOCON P.W. BOARD ASS'Y (SRA-8011A-M2) 3-36
TEMP P.W. BOARD ASS'Y (SRA-8202A-M2) 3-36
FAN P.W. BOARD ASS'Y (SRA-8401A-M2) 3-36
SD CARD P.W. BOARD ASS'Y (SRA-8511A-M2) 3-36
POWER P.W. BOARD ASS'Y (SRA-9011A-M2) 3-36
DIGITAL P.W. BOARD ASS'Y (SRA0D018A-M2) 3-36
SIDE CONTROL P.W. BOARD ASS'Y (SRA0L011A-M2) 3-40
FRONT LED P.W. BOARD ASS'Y (SRA0L111A-M2) 3-40
LAMP COVER P.W. BOARD ASS'Y (SRA0L211A-M2) 3-40
TUNER P.W. BOARD ASS'Y (SRA0R011A-M2) 3-40
ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2203A-M2) 3-40

PRINTED WIRING BOARD PARTS LIST [HD-61G657] 3-41
ANALOG P.W. BOARD ASS'Y (SRA-1012A-M2) 3-41
DRIVE P.W. BOARD ASS'Y (SRA-3005A-M2) 3-41
REMOCON P.W. BOARD ASS'Y (SRA-8011A-M2) 3-41
TEMP P.W. BOARD ASS'Y (SRA-8202A-M2) 3-41
FAN P.W. BOARD ASS'Y (SRA-8401A-M2) 3-41
SD CARD P.W. BOARD ASS'Y (SRA-8511A-M2) 3-41
POWER P.W. BOARD ASS'Y (SRA-9011A-M2) 3-41
DIGITAL P.W. BOARD ASS'Y (SRA0D017A-M2) 3-41
SIDE CONTROL P.W. BOARD ASS'Y (SRA0L011A-M2) 3-45
FRONT LED P.W. BOARD ASS'Y (SRA0L111A-M2) 3-45
LAMP COVER P.W. BOARD ASS'Y (SRA0L211A-M2) 3-45
TUNER P.W. BOARD ASS'Y (SRA0R011A-M2) 3-45
ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2203A-M2) 3-45

REMOTE CONTROL UNIT PARTS LIST (RM-C18G-1H) 3-46
PACKING 3-46
PACKING PARTS LIST 3-46

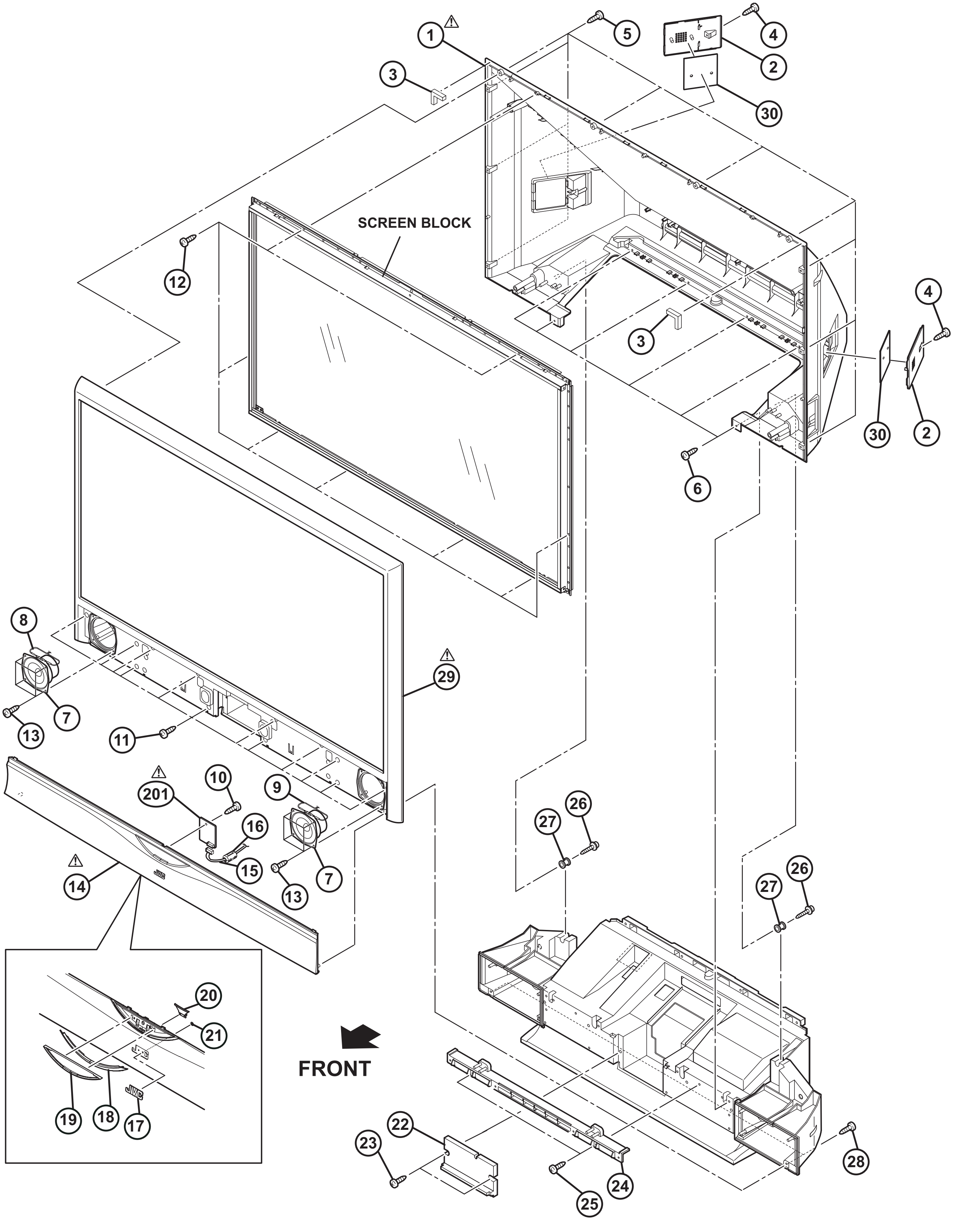
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y name	P.W.B ASS'Y No.			
	HD-52G657	HD-56G647	HD-56G657	HD-61G657
ANALOG P.W.B	SRA-1012A-M2	←	←	←
DRIVE P.W.B	SRA-3005A-M2	←	←	←
REMOCON P.W.B	SRA-8011A-M2	←	←	←
TEMP P.W.B	SRA-8202A-M2	←	←	←
FAN P.W.B	SRA-8401A-M2	←	←	←
SD CARD P.W.B	SRA-8511A-M2	←	←	←
POWER P.W.B	SRA-9011A-M2	←	←	←
DIGITAL P.W.B	SRA0D019A-M2	SRA0D021A-M2	SRA0D018A-M2	SRA0D017A-M2
SIDE CONTROL P.W.B	SRA0L011A-M2	←	←	←
FRONT LED P.W.B	SRA0L111A-M2	←	←	←
LAMP COVER P.W.B	SRA0L211A-M2	←	←	←
TUNER P.W.B	SRA0R011A-M2	←	←	←
ATSC TUNER MODULE P.W.B	SSD-2203A-M2	←	←	←
REMOTE CONTROL UNIT	RM-C18G-1H	←	←	←

EXPLODED VIEW PARTS LIST -1 [HD-52G657,HD-56G647,HD-56G657]

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	1	LC12260-001D-A	BACK COVER		HD-52G657
⚠	1	LC12339-001D-A	BACK COVER		HD-56G647,HD-56G657
	2	LC21888-001B-A	FILTER COVER	(x2)	
	3	LC42331-001A-A	SPONGE	(x2)	
	4	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x2)	
	5	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x10)	
	6	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x6)	
	7	QAS0369-002	SPEAKER	SP01/SP02(x2)	
	8	WJJ0487-001A-E	E-SI C WIRE C-C	ANALOG SP-SPEAKER(R)	
	9	WJJ0487-002A-E	E-SI C WIRE C-C	ANALOG SP-SPEAKER(L)	
	10	QYSBSFG3008ZA	TAP SCREW	M3 x 8mm	
	11	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x12)	
	12	QYSBSFG4012ZA	TAP SCREW	M4 x 12mm(x8)	
	13	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x8)	
⚠	14	LC12261-005A-A	SPEAKER GRILL		HD-52G657
⚠	14	LC12311-011A-A	SPEAKER GRILL		HD-56G647
⚠	14	LC12311-010A-A	SPEAKER GRILL		HD-56G657
	15	WJJ0698-001A-E	E-SI C WIRE C-C	ANALOG F-FRONT LED CN07FL	
	16	QQR0491-001	FERRITE CORE		
	17	LC32707-003A-C	JVC MARK		HD-52G657,HD-56G657
	17	LC32707-001A-C	JVC MARK		HD-56G647
	18	LC21876-001A-A	INDICATE WINDOW		HD-52G657,HD-56G657
	18	LC21876-002A-A	INDICATE WINDOW		HD-56G647
	19	LC33145-006A-0K	POWER KNOB ASSY		HD-52G657,HD-56G657
	19	LC33145-008A-0K	POWER KNOB ASSY		HD-56G647
	20	LC33148-001B-A	LED LENS		
	21	QYNSS2000P	PUSH NUT	M2	
	22	LC21590-001C-A	CENTER COVER		
	23	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x2)	
	24	LC12303-001C-A	SUPPORT HOLDER		
	25	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x2)	
	26	LC40506-003A-A	TAPPING SCREW	(x2)	
	27	LC40226-005A-H	SPACER	(x2)	
	28	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x2)	
⚠	29	LC12262-004A-A	FRONT PANEL		HD-52G657
⚠	29	LC12338-002B-A	FRONT PANEL		HD-56G647
⚠	29	LC12338-013A-A	FRONT PANEL		HD-56G657
	30	LC33541-001A-A	FILTER	(x2)	
⚠	201	SRA0L111A-M2	FRONT LED PWB		

EXPLODED VIEW -1 [HD-52G657,HD-56G647,HD-56G657]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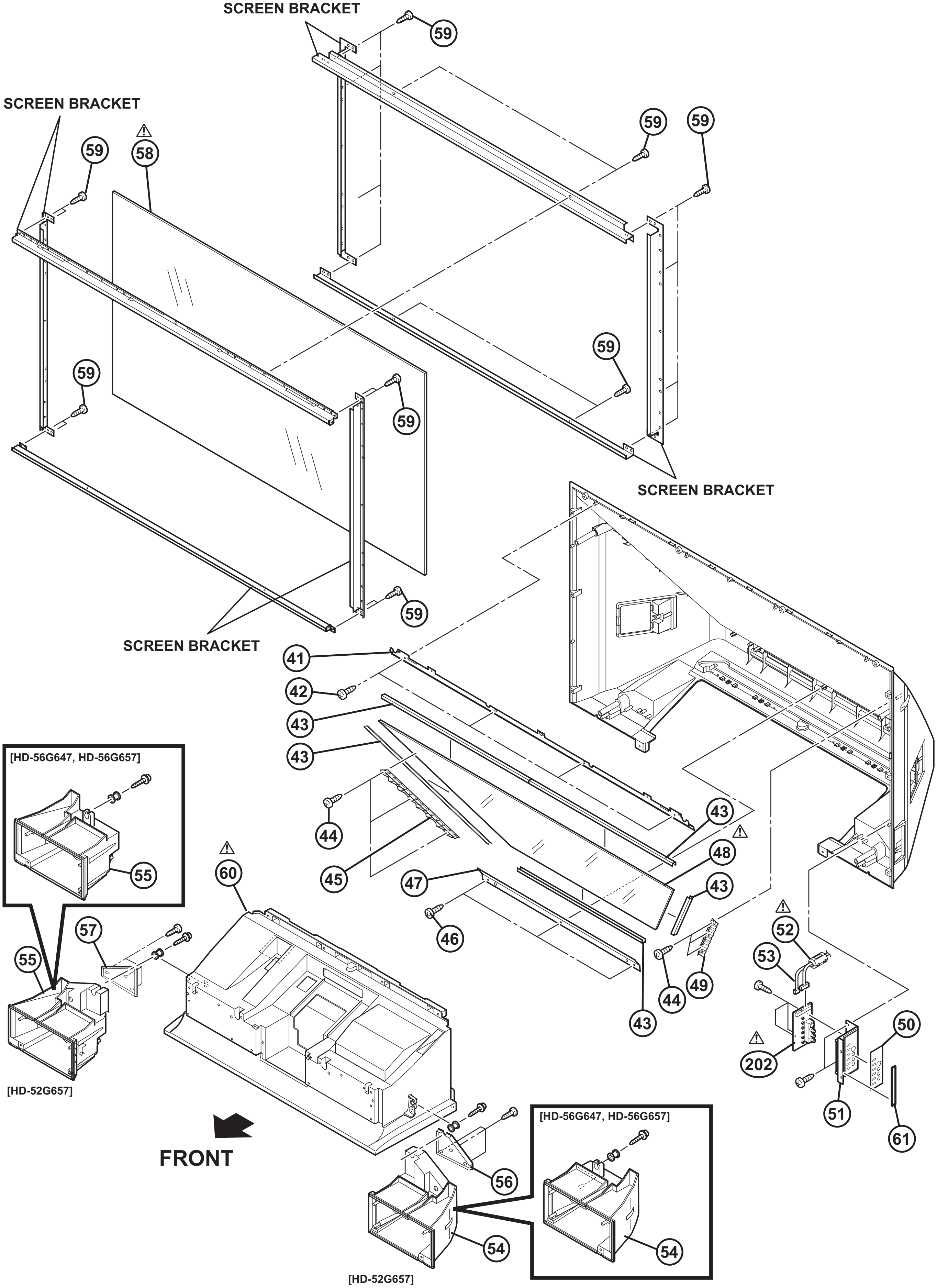
EXPLODED VIEW PARTS LIST -2 [HD-52G657,HD-56G647,HD-56G657]

⚠	Ref.No.	Part No.	Part Name	Description	Local
	41	LC12362-002A-A	MIRROR HOLDER	TOP	HD-52G657
	41	LC12370-002A-A	MIRROR HOLDER	TOP	HD-56G647,HD-56G657
	42	QYSBSFG4012ZA	TAP SCREW	M4 x 12mm(x4)	
	43	LC21931-001B-A	SPONGE SPACER	(x5)	HD-52G657
	43	LC21931-002B-A	SPONGE SPACER	(x5)	HD-56G647,HD-56G657
	44	QYSBSFG4012ZA	TAP SCREW	M4 x 12mm(x6)	
	45	LC21538-001A-A	MIRROR HOLDER	LEFT	
	46	QYSBSFG4012ZA	TAP SCREW	M4 x 12mm(x3)	
	47	LC12371-001A-A	MIRROR HOLDER	BOTTOM	
⚠	48	LC33055-003A	GLASS MIRROR		HD-52G657
⚠	48	LC33055-004A	GLASS MIRROR		HD-56G647,HD-56G657
	49	LC21538-002A-A	MIRROR HOLDER	RIGHT	
	50	LC33046-003A-A	SIDE CONTROL SHEET		
	51	LC21805-001A-A	SIDE CONTROL BASE		
⚠	52	QQR0491-001	FERRITE CORE		
	53	WJZ0201-001A-E	E-HARNESS ASSY	ANALOG S1-SIDE CONTROL CN08S1	
	54	LC12305-002A-A	SPEAKER BOX	RIGHT	HD-52G657
	54	LC12312-002A-A	SPEAKER BOX	RIGHT	HD-56G647,HD-56G657
	55	LC12305-001A-A	SPEAKER BOX	LEFT	HD-52G657
	55	LC12312-001A-A	SPEAKER BOX	LEFT	HD-56G647,HD-56G657
	56	LC12306-002A-A	SPEAKER BOX COVER	RIGHT	HD-52G657
	57	LC12306-001A-A	SPEAKER BOX COVER	LEFT	HD-52G657
⚠	58	52SC-007A-M2	SCREEN ASSY		HD-52G657
⚠	58	56ILASC07AM2	SCREEN ASSY		HD-56G647,HD-56G657
	59	QYSBSG4008ZA	TAP SCREW	M4 x 8mm(x20)	
⚠	60	LC12263-001G-A	BODY		
	61	LC32447-067A-A	STICK SHEET		
⚠	202	SRA0L011A-M2	SIDE CONTROL PWB		

EXPLODED VIEW -2 [HD-52G657,HD-56G647,HD-56G657]



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[HD-56G647, HD-56G657]
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[HD-56G647, HD-56G657]
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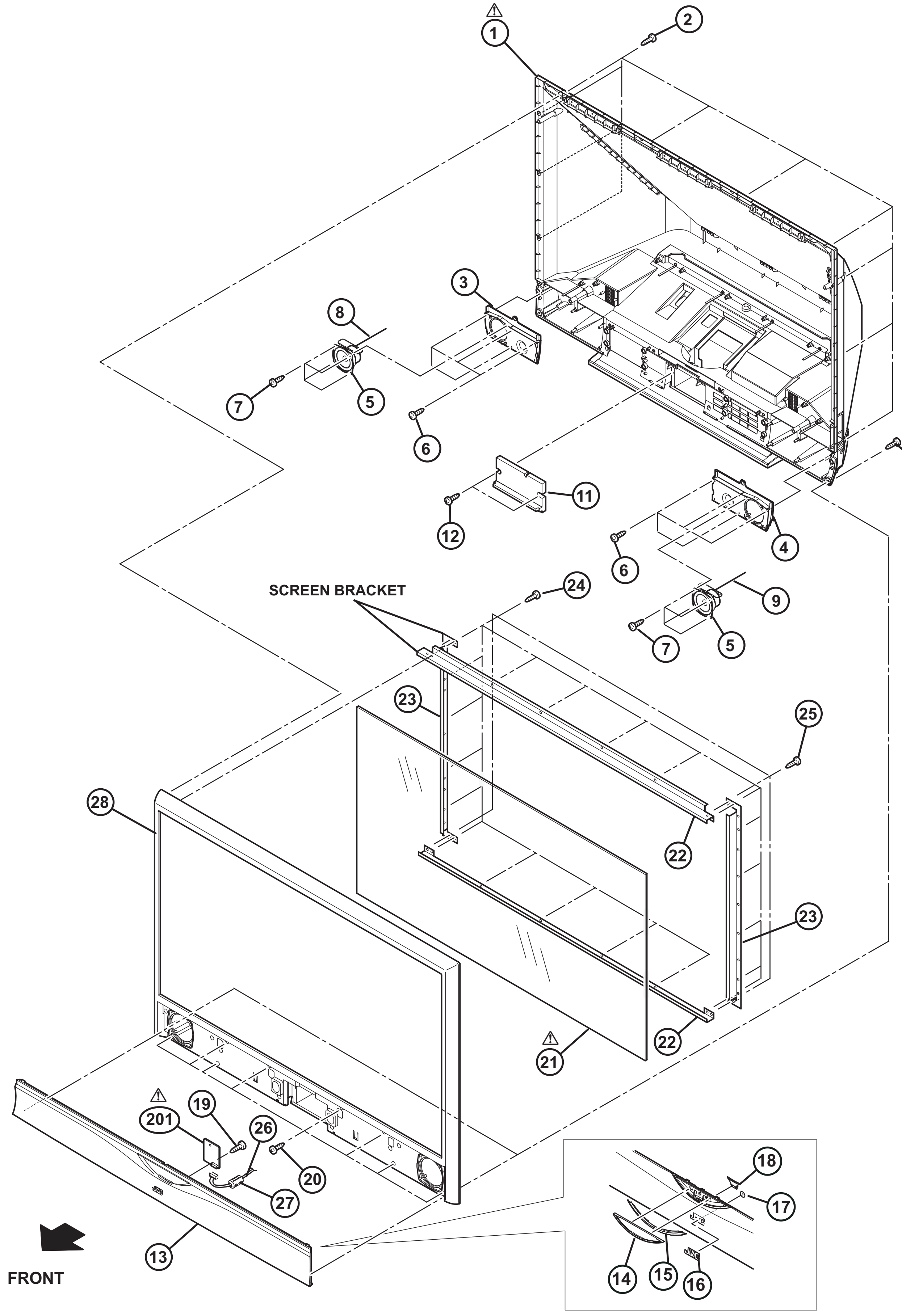
[HD-52G657]

EXPLODED VIEW PARTS LIST -3 [HD-61G657]

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	1	LC11916-001G-A	BACK COVER		
	2	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x10)	
	3	LC11950-001B-A	SPEAKER PLATE	LEFT	
	4	LC11950-002B-A	SPEAKER PLATE	RIGHT	
	5	QAS0369-002	SPEAKER	SP01/SP02(x2)	
	6	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x8)	
	7	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x8)	
	8	WJJ0487-001A-E	E-SI C WIRE C-C	ANALOG SP-SPEAKER(L)	
	9	WJJ0487-002A-E	E-SI C WIRE C-C	ANALOG SP-SPEAKER(R)	
	10	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x2)	
	11	LC21590-001C-A	CENTER COVER		
	12	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x2)	
	13	LC12677-005A-A	SPEAKER GRILL		
	14	LC33145-006A-0K	POWER KNOB ASSY		
	15	LC21876-001A-A	INDICATE WINDOW		
	16	LC32707-003A-C	JVC MARK		
	17	QYNSS2000P	PUSH NUT	M2	
	18	LC33148-001B-A	LED LENS		
	19	QYSBSFG3008ZA	TAP SCREW	M3 x 8mm	
	20	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x4)	
⚠	21	61SC-007-M2	SCREEN ASSY		
	22	LC21611-001E-A	SCREEN HOLDER	(TOP/BOTTOM)(x2)	
	23	LC21610-001E-A	SCREEN HOLDER	(RIGHT/LEFT)(x2)	
	24	QYSBSF4016ZA	TAP SCREW	M4 x 16mm(x20)	
	25	QYSBSG4008ZA	TAP SCREW	M4 x 8mm(x4)	
	26	WJJ0698-001A-E	E-SI C WIRE C-C	ANALOG F-FRONT LED CN07FL	
	27	QQR0491-001	FERRITE CORE		
	28	LC12420-007A-A	FRONT PANEL		
⚠	201	SRA0L111A-M2	FRONT LED PWB		

EXPLODED VIEW -3 [HD-61G657]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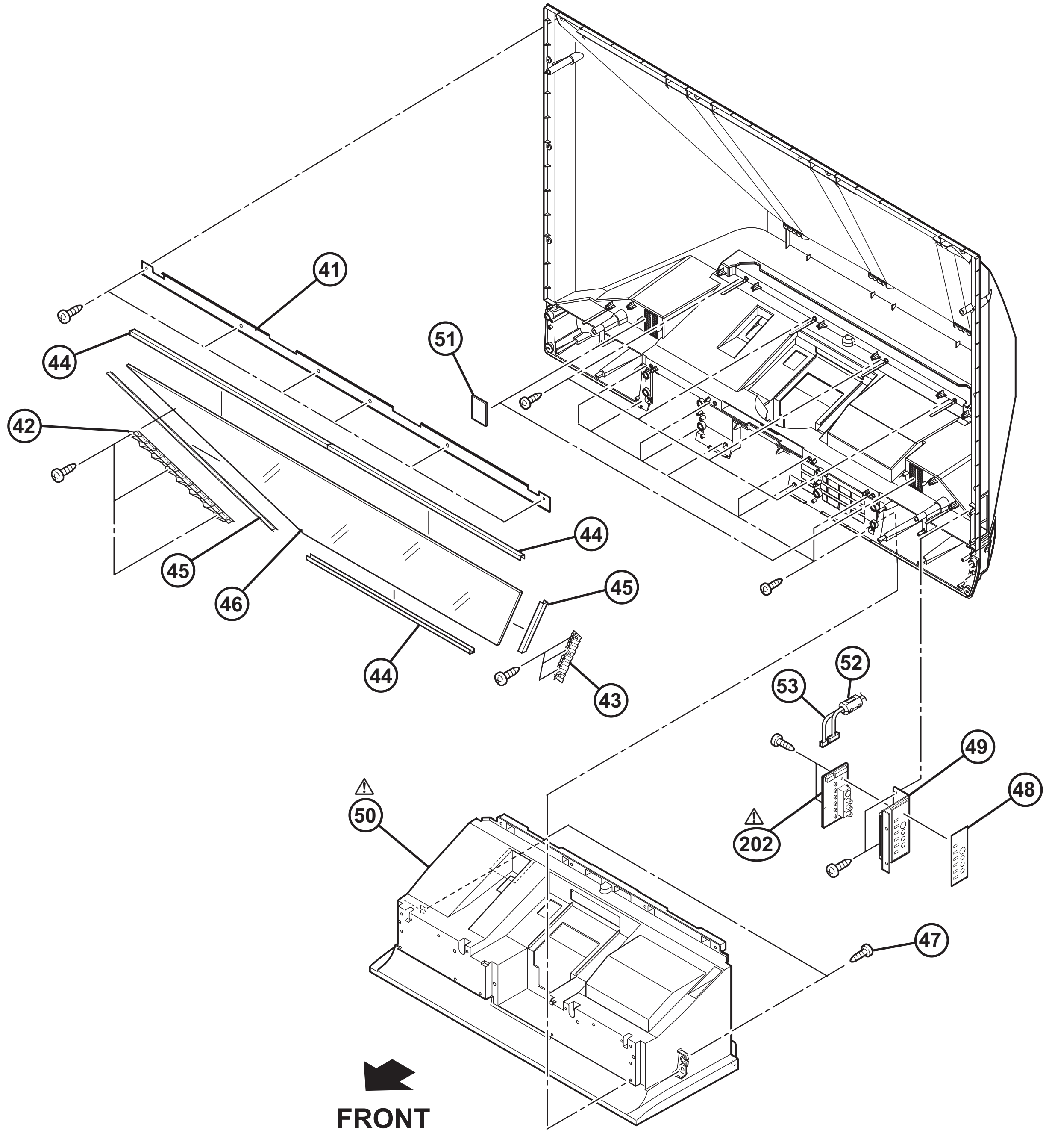
EXPLODED VIEW PARTS LIST - 4 [HD-61G657]

⚠	Ref.No.	Part No.	Part Name	Description	Local
	41	LC12543-002C-0K	MIRROR HOLDER	TOP	
	42	LC21538-001A-A	MIRROR HOLDER	LEFT	
	43	LC21538-002A-A	MIRROR HOLDER	RIGHT	
	44	LC32447-055A-A	SPONGE SPACER	(x3)	
	45	LC32447-055A-A	SPONGE SPACER	(x2)	
	46	LC33317-003A-A	GLASS MIRROR		
	47	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x2)	
	48	LC33046-003A-A	SIDE CONTROL SHEET		
	49	LC21805-001A-A	SIDE CONTROL BASE		
⚠	50	LC12263-001G-A	BODY		
	51	LC33546-001A-A	BACK COVER FILTER	(x2)	
	52	QQR0491-001	FERRITE CORE		
	53	WJZ0201-001A-E	E-HARNESS ASSY	ANALOG S2-SIDE CONTROL CN08S2	
⚠	202	SRA0L011A-M2	SIDE CONTROL PWB		

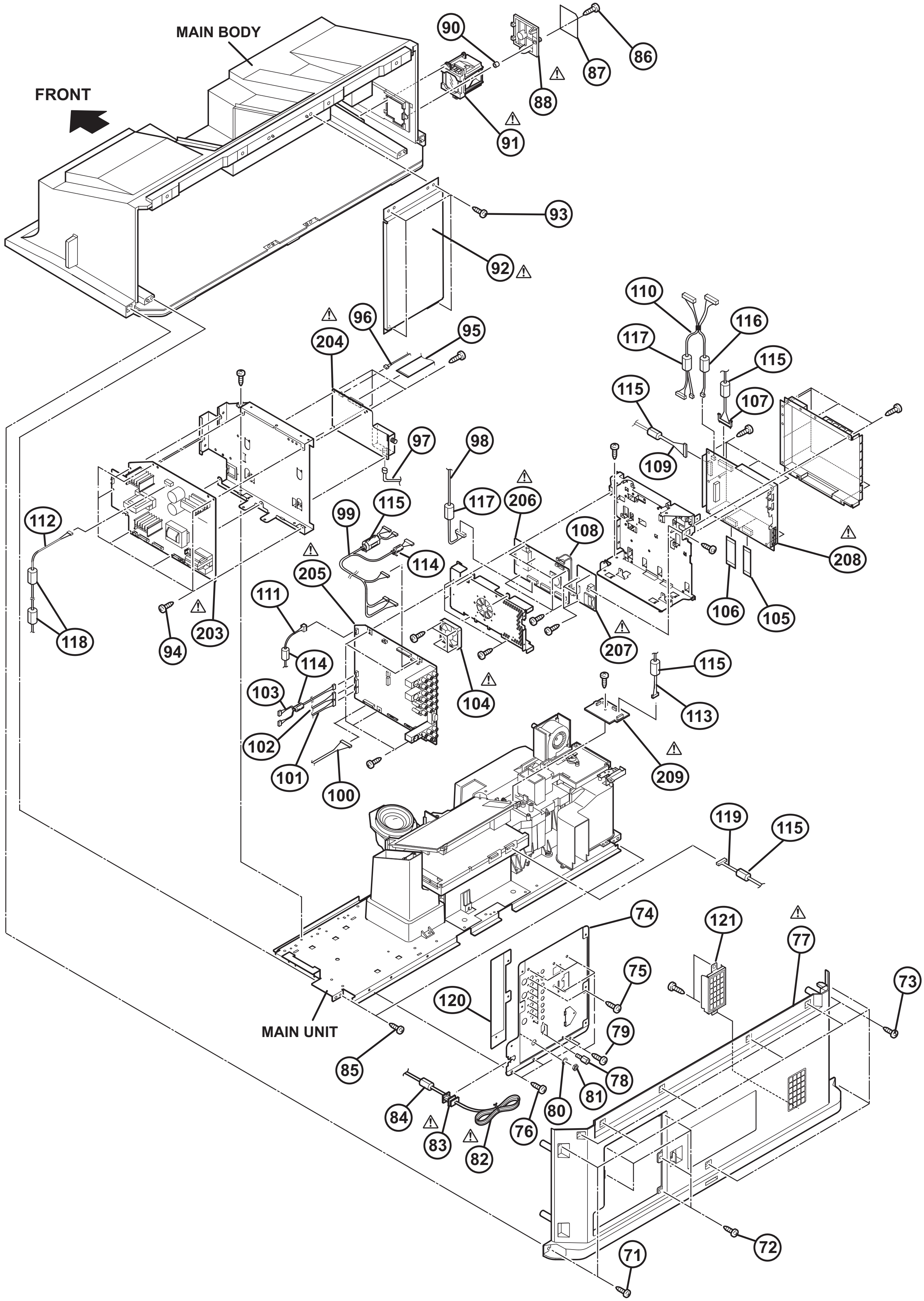
EXPLODED VIEW - 4 [HD-61G657]



EXPLODED VIEW PARTS LIST -5

⚠	Ref.No.	Part No.	Part Name	Description	Local
	71	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x9)	
	72	QYSBSG4012ZA	TAP SCREW	M4 x 12mm(x5)	
	73	QYSBSFG4016MA	TAP SCREW	(x2)	HD-52G657,HD-56G647,HD-56G657
	73	LC42456-001A	CANOE CLIP	(x2)	HD-61G657
	74	LC22113-002C-A	TERMINAL BOARD		
	75	QYSBSF3012MA	TAP SCREW	M3 x 12mm(x7)	
	76	QYSBSG4012ZA	TAP SCREW	M4 x 12mm(x3)	HD-52G657,HD-56G647,HD-56G657
	76	QYSBSG4008ZA	TAP SCREW	M4 x 8mm(x3)	HD-61G657
⚠	77	LC12259-001C-A	BODY COVER		
	78	QNB0036-001	CONN ACCESSORY	(x2)	
	79	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x5)	
	80	CM46798-001	WASHER		
	81	LC42119-001A	NUT		
⚠	82	QMPD290-200-JC	POWER CORD(US/CA)	2m BLACK	
⚠	83	LC20106-001D-A	POWER CORD CLAMP		
	84	QQR0918-001	CORE FILTER		
	85	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x2)	
	86	LC42077-001A-A	ASSY SCREW		
	87	LC33208-001A-A	WARNING SHEET		
⚠	88	LC12307-001B-A	LAMP COVER		
	90	LC42276-001A-A	INSERT NUT		
⚠	91	TS-CL110UAA	LAMP UNIT		
⚠	92	LC11943-001B-A	BODY BRACKET		
	93	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x4)	
	94	QYSBSGG3008ZA	TAP SCREW	M3 x 8mm(x7)	
	95	QUQK12-2514CH-E	FFC WIRE	TUNER CNT1-ANALOG CNT1	
	96	QJJ015-031213-E	SIN CR C-C WIRE	TUNER CNT2-ANALOG CNT2	
	97	WJX0035-001A-E	E-COAXIAL ASSY		
	98	WJJ0699-001A-E	E-SI C WIRE C-C	ATSC CN6001-POWER CN9UP	
	99	WJZ0200-001A-E	E-HARNESS ASSY	ANLOG CN001-DIGITAL CN011	
	100	QJJ015-122012-E	SIN CR C-C WIRE	POWER CNA3-ANALOG A3	
	101	QJJ015-053010-E	SIN CR C-C WIRE	POWER CNA3-ANALOG A2	
	102	QJJ061-062211-E	SIN CR C-C WIRE	POWER CNA3-ANALOG A1	
	103	WJJ0485-003A-E	E-SI C WIRE C-C	SPEAKER-ANALOG CNSP	
⚠	104	QAR0404-001	COOLING FAN		
	105	QUQL05-4013AE-E	FFC WIRE	ANALOG CN012-DIGITAL CM012	
	106	QUQL05-5013AE-E	FFC WIRE	ANALOG CN011-DIGITAL CM011	
	107	WJW0043-001A-E	E-TWISTED ASSY	DIGITAL CN0LV2-DRIVE CN3001	
	108	WJJ0700-001A-E	E-SI C WIRE C-C	ATSC-SD CARD CN1DT	
	109	WJJ0656-001A-E	E-SI C WIRE C-C	POWER CNDC-DIGITAL CN1DC	
	110	WJZ0218-001A-E	E-HARNESS ASSY	DIGITAL-ANALOG	
	111	QJJ015-034213-E	SIN CR C-C WIRE	ANALOG RE-REMOCON CN08RE	
	112	WJJ0652-003A-E	E-SI C WIRE C-C	POWER CNBL-LAMP BALLAST CN101	
	113	QJJ015-081013-E	SIN CR C-C WIRE	FAN CN8010-DRIVE CN3010	
	114	QQR0490-001	NOISE FILTER	(x3)	
	115	QQR0491-001	FERRITE CORE	(x5)	
	116	QQR0490-001	NOISE FILTER		
	117	QQR0491-001	FERRITE CORE	(x2)	
	118	QQR0491-001	FERRITE CORE	(x2)	
	119	QJJ015-099424-E	SIN CR C-C WIRE		
	120	LC42521-001A-A	COVER SHEET		
	121	LC21690-002A-A	LAMP DUCT BRACKET		
⚠	203	SRA-9011A-M2	POWER PWB		
⚠	204	SRA0R011A-M2	TUNER PWB		
⚠	205	SRA-1012A-M2	ANALOG PWB		
⚠	206	SSD-2203A-M2	ATSC TUNER MODULE PWB		
⚠	207	SRA-8511A-M2	SD CARD PWB		
⚠	208	SRA0D019A-M2	DIGITAL PWB		HD-52G657
⚠	208	SRA0D021A-M2	DIGITAL PWB		HD-56G647
⚠	208	SRA0D018A-M2	DIGITAL PWB		HD-56G657
⚠	208	SRA0D017A-M2	DIGITAL PWB		HD-61G657
⚠	209	SRA-8401A-M2	FAN PWB		

EXPLODED VIEW -5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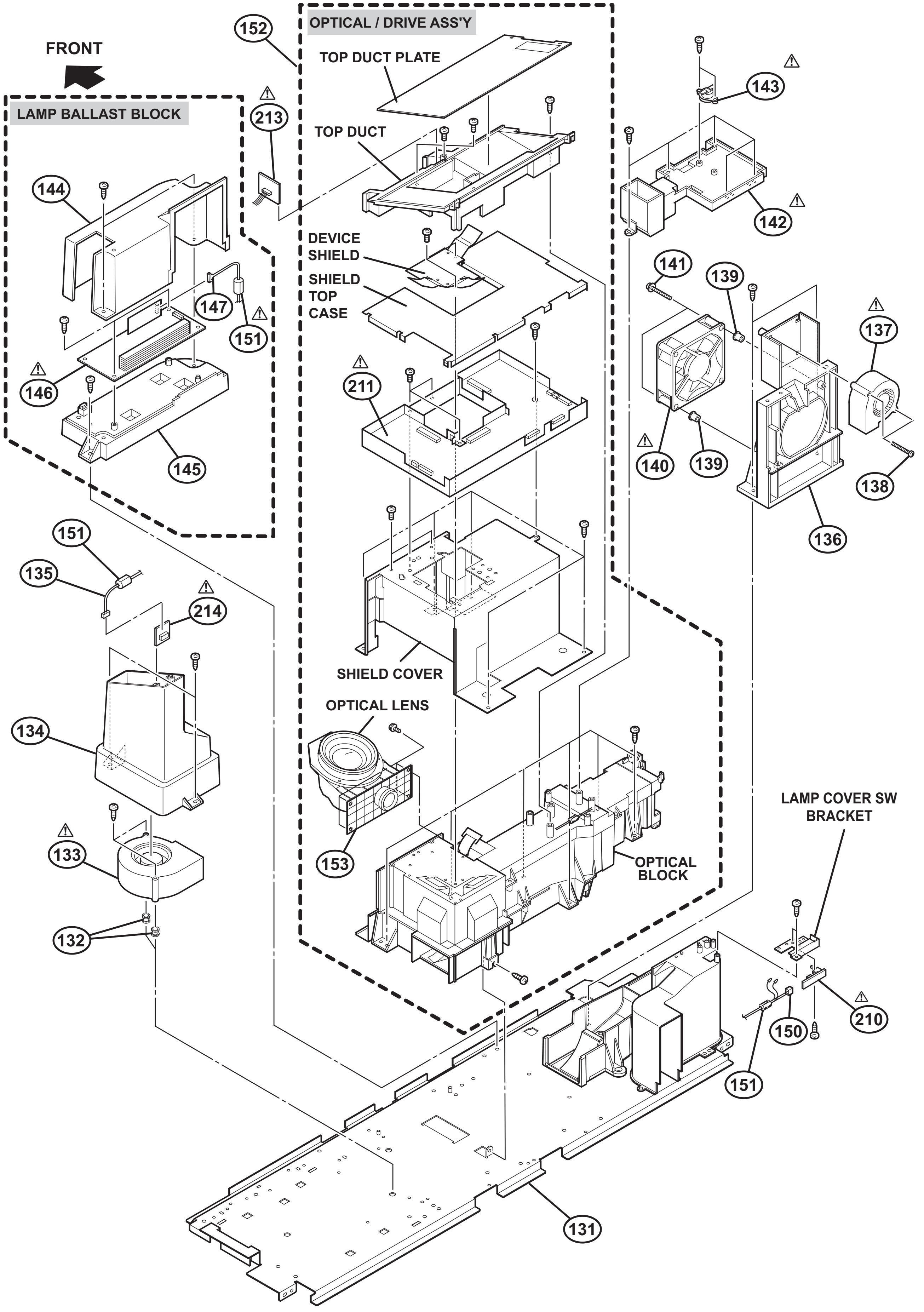
EXPLODED VIEW PARTS LIST -6

⚠	Ref.No.	Part No.	Part Name	Description	Local
	131	LC12369-001C-A	UNIT BASE		
	132	LC42034-001A-A	WELL NUT	(x2)	
⚠	133	QAR0368-002	COOLING FAN		
	134	LC12355-001B-A	SIROCCO CASE T		
	135	QJJ015-041004-E	SIN CR C-C WIRE	TEMP CN2007 - DRIVE CN3007	
	136	LC12352-001B-A	HOLDER FAN		
⚠	137	QAR0367-001	COOLING FAN		
	138	QYSBSFG4035MA	TAP SCREW	M4 x 35mm(x2)	
	139	LC42034-001A-A	WELL NUT	(x2)	
⚠	140	QAR0354-002	COOLING FAN		
	141	QYSPSPD4040MA	SCREW	M4 x 40mm(x2)	
⚠	142	LC12225-001A-A	DUCT PCS		
⚠	143	QMR0014-001	TH PROTECTOR		
	144	LC12354-001B-A	BALLAST COVER		
	145	LC12353-001C-A	BALLAST HOLDER		
⚠	146	QAL0765-001	POWER UNIT ASSY		
	147	WJJ0664-001A-E	E-SI C WIRE C-C	POWER UNIT - POWER CN9BL	
	150	WJJ0708-001B-E	E-HARNESS ASSY	LAMP COVER CN0806-DRIVE CN3006	
⚠	151	QQR0490-001	NOISE FILTER	(x3)	
	152	TSCOP10A-SAA	OPTICAL/DRIVE ASSY		
	153	LC12230-001B	PJ LENS		
⚠	210	SRA0L211A-M2	LAMP COVER PWB		
⚠	211	SRA-3005A-M2	DRIVE PWB		
⚠	213	SRA-8202A-M2	TEMP PWB		
⚠	214	SRA-8011A-M2	REMOCON PWB		

EXPLODED VIEW -6



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OPTICAL / DRIVE ASS'Y
TOP DUCT PLATE
FRONT
LAMP BALLAST BLOCK
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213
TOP DUCT
144
DEVICE
SHIELD
SHIELD
TOP
CASE
147
151
146
211
145
143
142
141
139
137
138
140
139
136
151
135
214
SHIELD COVER
OPTICAL LENS
134
133
153
OPTICAL
BLOCK
LAMP COVER SW
BRACKET
132
150
210
151
131

PRINTED WIRING BOARD PARTS LIST [HD-52G657]

ANALOG P.W. BOARD ASS'Y (SRA-1012A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	R2S11004FT	IC		
IC102	R2S11003FT	IC		
IC381	M62320FP-X	IC		
IC601	NJW1182FP1	IC		
IC602	PQ20WZ11-X	IC		
IC605	TDA8928ST/N1	IC		
IC606	M62320FP-X	IC		
IC607	LM393DR-X	IC		
IC610	RC4558D-X	IC		
IC902	MM1663DT-X	IC		
Q106	SSM3K17FU-X	MOS FET		
Q107	SSM3K17FU-X	MOS FET		
Q108	2SC3928A/QR/-X	TRANSISTOR		
Q109	2SA1022/BC/-X	TRANSISTOR		
Q110	2SA1022/BC/-X	TRANSISTOR		
Q111	2SA1022/BC/-X	TRANSISTOR		
Q112	2SA1022/BC/-X	TRANSISTOR		
Q113	2SC3928A/QR/-X	TRANSISTOR		
Q451	UN2226-X	DIGI TRANSISTOR		
Q452	UN2226-X	DIGI TRANSISTOR		
Q453	UN2110-X	DIGI TRANSISTOR		
Q605	UN2212-X	DIGI TRANSISTOR		
Q606	UN2112-X	DIGI TRANSISTOR		
Q607	2SC3928A/QR/-X	TRANSISTOR		
Q614	2SA1530A/QR/-X	TRANSISTOR		
Q901	2SC5881/QR/-X	POW TRANSISTOR		
Q902	2SC5881/QR/-X	POW TRANSISTOR		
D105	1SS355W-X	DIODE		
D110	1SS355W-X	DIODE		
D121	MA8056/M/-X	Z DIODE		
D122	MA8056/M/-X	Z DIODE		
D123	MA8056/M/-X	Z DIODE		
D124	MA8056/M/-X	Z DIODE		
D125	MA8056/M/-X	Z DIODE		
D126	MA8056/M/-X	Z DIODE		
D131	MA8100/M/-X	Z DIODE		
D132	MA8100/M/-X	Z DIODE		
D133	MA8100/M/-X	Z DIODE		
D134	MA8100/M/-X	Z DIODE		
D135	MA8100/M/-X	Z DIODE		
D136	MA8100/M/-X	Z DIODE		
D401	UDZW10B-X	Z DIODE		
D402	UDZW10B-X	Z DIODE		
D403	UDZW10B-X	Z DIODE		
D404	UDZW10B-X	Z DIODE		
D405	UDZW10B-X	Z DIODE		
D406	UDZW10B-X	Z DIODE		
D407	UDZW10B-X	Z DIODE		
D408	UDZW10B-X	Z DIODE		
D409	UDZW10B-X	Z DIODE		
D410	UDZW10B-X	Z DIODE		
D411	UDZW10B-X	Z DIODE		
D412	UDZW10B-X	Z DIODE		
D413	UDZW10B-X	Z DIODE		
D414	UDZW10B-X	Z DIODE		
D415	UDZW10B-X	Z DIODE		
D416	UDZW10B-X	Z DIODE		
D417	UDZW10B-X	Z DIODE		
D418	UDZW10B-X	Z DIODE		
D419	UDZW10B-X	Z DIODE		
D420	UDZW10B-X	Z DIODE		
D421	UDZW10B-X	Z DIODE		
D423	UDZW10B-X	Z DIODE		
D424	UDZW10B-X	Z DIODE		
D451	UDZW10B-X	Z DIODE		
D452	UDZW10B-X	Z DIODE		
D491	UDZW3.3B-X	Z DIODE		
D492	S9648	PHOTO CONDUCTOR		
D601	1SS355W-X	DIODE		
D605	1SS355W-X	DIODE		
D606	1SS355W-X	DIODE		
D607	1SS355W-X	DIODE		
D608	1SS355W-X	DIODE		
D610	UDZW20B-X	Z DIODE		
D611	UDZW20B-X	Z DIODE		
D612	UDZW20B-X	Z DIODE		
D613	UDZW20B-X	Z DIODE		
D615	1SS355W-X	DIODE		
D616	UDZW3.3B-X	Z DIODE		
D618	1SS355W-X	DIODE		
D619	UDZW6.2B-X	Z DIODE		
D903	PTZ11B-X	Z DIODE		
D904	PTZ6.8B-X	Z DIODE		

⚠Ref No.	Part No.	Part Name	Description	Local
C102	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C106	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C107	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C108	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C110	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C115	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C116	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C117	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C118	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C119	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C120	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C121	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C122	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C124	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C125	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C126	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C127	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C128	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C129	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C130	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C131	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C132	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C133	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C134	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C136	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C137	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C138	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C140	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C141	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C142	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C143	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C156	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C157	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C158	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C159	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C160	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C161	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C162	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C163	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C164	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C165	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C167	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C168	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C169	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C170	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C171	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C172	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C173	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C174	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C175	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C176	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C177	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C178	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C179	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C180	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C181	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C182	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C183	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C184	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C185	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C186	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C187	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C188	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C189	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C190	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C194	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C195	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C196	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C197	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C198	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C199	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C200	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C207	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C208	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C211	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C212	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C221	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C222	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C223	NDC31HJ-101X	C CAPACITOR	100pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C224	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C225	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C226	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C227	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C228	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C229	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C240	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C241	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C242	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C291	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C306	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C307	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C381	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C382	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C383	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C401	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C402	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C403	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C404	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C405	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C406	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C407	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C408	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C409	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C410	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C411	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C412	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C413	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C414	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C416	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C417	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C418	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C419	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C422	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C423	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C451	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C452	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C453	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C491	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C492	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C493	NEHL1CM-107X	E CAPACITOR	100uF 16V M	
C494	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C601	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C602	NEHL1EM-336X	E CAPACITOR	33uF 25V M	
C603	NEHL1EM-336X	E CAPACITOR	33uF 25V M	
C604	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C605	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C606	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C607	QETM1EM-477	E CAPACITOR	470uF 25V M	
C616	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C617	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C623	NCB21CK-184X	C CAPACITOR	0.18uF 16V K	
C624	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C625	NCB31HK-183X	C CAPACITOR	0.018uF 50V K	
C628	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C629	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C630	NCB21CK-184X	C CAPACITOR	0.18uF 16V K	
C632	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C633	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C634	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C635	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C636	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C638	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C639	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C643	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C644	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C647	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C648	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C649	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C650	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C651	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C653	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C654	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C655	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C659	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C660	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C661	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C662	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C663	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C664	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C665	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C666	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C667	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C668	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C669	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C679	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C680	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C681	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C682	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C683	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C684	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C685	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C686	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C687	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C688	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C689	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C690	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C691	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C692	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C693	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C694	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C697	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C698	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C699	QETM1HM-226	E CAPACITOR	22uF 50V M	
C700	QETM1HM-226	E CAPACITOR	22uF 50V M	
C701	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C702	QETM1EM-477	E CAPACITOR	470uF 25V M	
C704	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C705	QETM1EM-477	E CAPACITOR	470uF 25V M	
C707	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C708	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C709	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C711	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C712	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C713	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C716	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C717	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C719	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C720	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C721	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C722	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C723	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C724	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C726	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C727	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C728	QETM1EM-477	E CAPACITOR	470uF 25V M	
C734	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C739	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C740	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C741	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C742	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C743	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C744	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C745	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C904	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C905	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C911	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	
C912	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C913	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	
C914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
C915	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C916	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
R126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R128	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R140	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R141	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R142	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R143	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R144	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R145	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R146	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R147	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R148	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R149	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R150	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R151	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R152	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R153	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R154	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R157	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R158	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R159	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R160	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R161	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R164	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R165	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R166	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R167	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R169	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R174	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R175	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R176	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R180	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R181	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R183	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R184	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R189	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R190	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R205	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R206	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R207	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R220	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R223	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R224	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R225	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R234	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R235	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R248	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R249	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R253	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R257	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R259	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R260	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R261	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R263	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R265	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R266	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R267	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R282	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R283	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R286	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R299	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R316	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R317	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R319	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R324	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R325	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R382	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R384	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R385	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R387	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R388	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R389	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R390	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R391	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R392	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R393	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R394	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R395	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R402	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R403	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R404	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R405	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R407	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R408	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R409	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R410	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R411	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R412	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R413	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R414	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R415	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R416	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R417	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R418	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R419	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R420	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R422	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R423	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R451	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R452	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R453	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R454	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R455	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R456	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R457	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R458	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R491	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R584	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R585	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R593	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R594	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R597	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R598	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R599	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R603	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R604	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R605	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R606	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R607	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R608	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R620	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R625	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R628	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R634	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R635	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R636	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R638	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R641	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R642	NRSA63J-163X	MG RESISTOR	16kΩ 1/16W J	
R644	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R645	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R647	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R649	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R650	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R652	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R653	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R659	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R660	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R672	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R673	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R674	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R675	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R676	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R677	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R678	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R679	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R680	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R681	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R682	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R683	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R684	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R685	QRJ149J-102	UNF C RESISTOR	1kΩ 1/4W J	
R687	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R694	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R695	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R696	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R700	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R701	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R705	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R706	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R718	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R719	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R723	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R724	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R726	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R727	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R728	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R729	QRK129J-5R6	UNF C RESISTOR	5.6Ω 1/2W J	
R730	QRK129J-5R6	UNF C RESISTOR	5.6Ω 1/2W J	
R731	QRK129J-220	UNF C RESISTOR	22Ω 1/2W J	
R732	QRK129J-220	UNF C RESISTOR	22Ω 1/2W J	
R733	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R735	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R736	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R737	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R738	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R739	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R740	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R741	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R742	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R743	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R744	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R751	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R771	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R772	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R773	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R774	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R775	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R776	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R777	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R778	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R781	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R782	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R791	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R792	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R793	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R794	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R795	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R797	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R798	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R905	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J	
R907	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J	
R908	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J	
R917	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R931	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R932	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R937	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R938	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R945	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R946	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R951	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R952	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R953	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R954	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R957	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R958	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R967	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R968	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R969	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R971	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R972	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R973	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R974	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R975	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R976	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L101	NQL79GM-100X	COIL	10uH M	
L601	QQR0621-002Z	FERRITE BEADS		
L602	QQR0621-002Z	FERRITE BEADS		
L605	NQLC8CM-560X	COIL	56uH M	
L606	NQLC8CM-560X	COIL	56uH M	
L901	NQL52EM-220X	COIL	22uH M	
L902	NQL52EM-220X	COIL	22uH M	
L903	NQL52EM-220X	COIL	22uH M	
L904	NQL52EM-220X	COIL	22uH M	
CN011	QGF0508C2-50W	CONNECTOR	FFC/FPC (1-50)	
CN012	QGF0508C2-40W	CONNECTOR	FFC/FPC (1-40)	
CN1T1	QGF1201C2-25	CONNECTOR	FFC/FPC (1-25)	
J401	QNZ0825-001	AV JACK	INPUT-1(S/V/L/R)	
J402	QNN0349-002	PIN JACK	INPUT-1(COMPONENT)	
J403	QNN0764-001	PIN JACK	INPUT-2(V/L/R)	
J404	QNN0349-002	PIN JACK	INPUT-2(COMPONENT)	
J405	QNZ0825-001	AV JACK	INPUT-3(S/V/L/R)	
J406	QNN0766-001	PIN JACK	CENTER CHANNEL-IN	
J409	QNN0766-001	PIN JACK	AUDIO-OUT	
K601	NQR0499-002X	FERRITE BEADS		
K602	NQR0499-002X	FERRITE BEADS		
K603	NQR0499-002X	FERRITE BEADS		
K604	NQR0499-002X	FERRITE BEADS		

DRIVE P.W. BOARD ASS'Y (SRA-3005A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC3101	ASI5100	IC(DILA DRIVER)		
IC3102	K4S161622H-UC60	IC		
IC3103	K4S161622H-UC60	IC		
IC3104	K4S161622H-UC60	IC		
IC3105	K4S161622H-UC60	IC		
IC3161	RC4558D-X	IC		
IC3162	RC4558D-X	IC		
IC3163	RC4558D-X	IC		
IC3201	ASI5100	IC(DILA DRIVER)		
IC3202	K4S161622H-UC60	IC		
IC3203	K4S161622H-UC60	IC		
IC3204	K4S161622H-UC60	IC		
IC3205	K4S161622H-UC60	IC		
IC3206	SN74LVC1G125V-X	IC		
IC3261	RC4558D-X	IC		
IC3262	RC4558D-X	IC		
IC3263	RC4558D-X	IC		
IC3301	ASI5100	IC(DILA DRIVER)		
IC3302	K4S161622H-UC60	IC		
IC3303	K4S161622H-UC60	IC		
IC3304	K4S161622H-UC60	IC		
IC3305	K4S161622H-UC60	IC		
IC3361	RC4558D-X	IC		
IC3362	RC4558D-X	IC		
IC3363	RC4558D-X	IC		
IC3701	AT89C51RD2RLTUM	IC		
IC3705	SN74LVC1G66V-X	IC		
IC3706	SN74LVC1G66V-X	IC		
IC3709	SN74AHCT1G08V-X	IC		
IC3710	SN74LVC1G66V-X	IC		
IC3711	SN74LVC1G66V-X	IC		
IC3743	CD74HC4053PW-X	IC		
IC3746	SN74LVC541APW-X	IC		
IC3801	JCC5066	IC		
IC3803	K4S643232H-UC60	IC		
IC3892	R1170H251B-X	IC		
IC3901	SI-8011NVS-X	IC		
IC3902	PQ1CY1032Z-W	IC		
IC3903	LM2941S-W	IC		
IC3905	BA50BC0FP-X	IC		
IC3906	PQ20WZ11-X	IC		
Q3702	UN2211-X	TRANSISTOR		
Q3706	2SK1374-X	MOS FET		
Q3707	2SK1374-X	MOS FET		
Q3901	UPA2751GR-X	POWER MOS FET		
Q3902	UN2211-X	TRANSISTOR		
Q3903	UN2211-X	TRANSISTOR		
Q3904	2SC3928A/QR/-X	TRANSISTOR		
Q3905	UN2211-X	TRANSISTOR		
Q3906	UN2211-X	TRANSISTOR		
Q3907	IMD14-W	TRANSISTOR		
Q3908	CPH3116-X	CHIP TRANSISTOR		
D3161	MA8056/M/-X	Z DIODE		
D3261	MA8056/M/-X	Z DIODE		
D3361	MA8056/M/-X	Z DIODE		
D3701	STZ6.8N-X	Z DIODE		
D3702	STZ6.8N-X	Z DIODE		
D3703	STZ6.8N-X	Z DIODE		
D3704	STZ6.8N-X	Z DIODE		
D3705	STZ6.8N-X	Z DIODE		
D3706	STZ6.8N-X	Z DIODE		
D3707	STZ6.8N-X	Z DIODE		
D3708	STZ6.8N-X	Z DIODE		
D3741	STZ6.8N-X	Z DIODE		
D3742	STZ6.8N-X	Z DIODE		
D3901	MA111-X	SI DIODE		
D3902	EC30HA03L-X	SB DIODE		
D3903	PTZ3.9B-X	Z DIODE		
D3931	EC30HA03L-X	SB DIODE		
D3932	EC30HA03L-X	SB DIODE		
D3933	PTZ6.8B-X	Z DIODE		
D3935	MA8043/L/-X	Z DIODE		
D3936	MA8043/L/-X	Z DIODE		
D3937	MA111-X	SI DIODE		
C3008	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3101	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3104	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3105	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3108	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3109	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3110	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3112	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3113	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3114	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3121	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3122	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3123	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3124	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3125	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3126	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3127	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3128	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C3129	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3130	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3131	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3132	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3141	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3142	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3143	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3144	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3145	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3146	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3147	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3148	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3149	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3150	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3151	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3152	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3162	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3164	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3165	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3166	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3167	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3168	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C3169	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3170	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3171	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3172	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3191	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3192	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3193	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3195	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3196	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3197	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3198	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3199	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3201	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3202	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C3203	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C3204	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3205	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3206	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3207	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3208	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3209	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3210	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3211	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3212	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3213	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3214	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3215	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3221	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3222	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3223	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3224	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3225	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3226	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3227	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3228	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3229	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3230	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3231	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3232	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3241	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3242	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3243	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3244	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3245	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3246	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3247	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3248	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3249	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3250	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3251	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3252	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3262	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3264	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3265	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3266	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3267	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3268	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C3269	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3270	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3271	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3272	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3291	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3292	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3293	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3295	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3296	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3297	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3298	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3299	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3301	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3310	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3312	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3313	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3328	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3329	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3330	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3332	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3341	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3342	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3343	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3344	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3345	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3346	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3347	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3348	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3349	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3350	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3351	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3352	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3362	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3364	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3365	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3366	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3367	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C3368	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3369	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3370	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3371	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3372	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3391	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3392	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3393	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3395	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3396	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3397	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3398	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3399	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3701	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3702	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3703	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3704	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3706	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C3707	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C3708	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3709	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3710	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C3711	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C3712	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3713	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3715	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3716	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3720	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3721	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3722	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3723	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3724	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3741	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3742	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3743	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3746	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3747	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3748	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3749	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3751	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C3801	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3802	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3803	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3804	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3805	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3806	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3807	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3808	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C3809	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3810	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3811	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3812	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3813	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3814	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3815	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3816	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3817	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3818	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3820	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3821	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3823	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3824	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3826	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3827	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3833	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3834	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3838	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3839	NBE50JM-107X	TA E CAPACITOR	100uF 6.3V M	
C3840	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3841	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3842	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3861	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3862	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3863	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3864	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3865	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3866	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3867	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3868	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3869	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3870	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3871	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3872	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3873	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3874	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3891	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3892	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3901	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3902	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3903	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3904	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C3905	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3906	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3907	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3908	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C3909	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3910	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3911	NBZ0010-396X	SP E CAPACITOR	39uF 16V M	
C3912	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C3913	NEHM0JM-476X	E CAPACITOR	47uF 6.3V M	
C3931	NBZ0010-396X	SP E CAPACITOR	39uF 16V M	
C3932	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C3933	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3934	NELA1AM-157X	E CAPACITOR	150uF 10V M	
C3936	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C3941	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3942	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3951	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3952	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3953	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3954	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3958	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3959	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3960	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3961	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3965	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3966	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3967	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3968	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3969	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3970	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3971	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3972	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3973	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3974	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3975	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
R3006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3046	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
R3047	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
R3048	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
R3102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3103	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	

⚠Ref No.	Part No.	Part Name	Description	Local
R3104	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3105	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3106	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D	
R3107	NRSA63D-181X	MG RESISTOR	180Ω 1/16W D	
R3111	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3115	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3117	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3119	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3121	NQR0271-001X	EMI FILTER		
R3122	NQR0271-001X	EMI FILTER		
R3123	NQR0271-001X	EMI FILTER		
R3124	NQR0271-001X	EMI FILTER		
R3125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3128	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3129	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3130	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3131	NQR0271-001X	EMI FILTER		
R3132	NQR0271-001X	EMI FILTER		
R3133	NQR0271-001X	EMI FILTER		
R3134	NQR0271-001X	EMI FILTER		
R3135	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3144	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3145	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3146	NRSA63D-181X	MG RESISTOR	180Ω 1/16W D	
R3147	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D	
R3151	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3152	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3153	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3154	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3161	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3162	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3163	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3165	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3166	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3167	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3168	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3169	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R3170	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3171	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R3181	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R3184	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3185	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R3186	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3187	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3188	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R3189	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3190	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3191	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3192	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3196	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3197	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3198	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3199	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J	
R3201	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R3202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3203	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3204	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3205	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3206	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D	
R3207	NRSA63D-181X	MG RESISTOR	180Ω 1/16W D	
R3210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3211	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3212	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3213	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3218	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3219	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3221	NQR0271-001X	EMI FILTER		
R3222	NQR0271-001X	EMI FILTER		
R3223	NQR0271-001X	EMI FILTER		
R3224	NQR0271-001X	EMI FILTER		
R3225	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3226	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3227	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3228	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3229	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R3230	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3231	NQR0271-001X	EMI FILTER		
R3232	NQR0271-001X	EMI FILTER		
R3233	NQR0271-001X	EMI FILTER		
R3234	NQR0271-001X	EMI FILTER		
R3237	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3242	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3244	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3245	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3246	NRSA63D-181X	MG RESISTOR	180Ω 1/16W D	
R3247	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D	
R3251	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3253	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3254	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3255	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3256	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3257	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3261	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3262	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3263	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3265	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3266	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3267	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3268	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3269	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R3270	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3271	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R3281	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R3284	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3285	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R3286	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3287	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3288	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R3289	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3290	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3291	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3292	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3296	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3297	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3299	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J	
R3302	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3303	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3304	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3305	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3306	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D	
R3307	NRSA63D-181X	MG RESISTOR	180Ω 1/16W D	
R3311	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3313	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3314	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3315	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3319	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3321	NQR0271-001X	EMI FILTER		
R3322	NQR0271-001X	EMI FILTER		
R3323	NQR0271-001X	EMI FILTER		
R3324	NQR0271-001X	EMI FILTER		
R3325	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3326	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3329	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3330	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3331	NQR0271-001X	EMI FILTER		
R3332	NQR0271-001X	EMI FILTER		
R3333	NQR0271-001X	EMI FILTER		
R3334	NQR0271-001X	EMI FILTER		
R3335	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3337	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3342	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3343	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3344	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3345	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3346	NRSA63D-181X	MG RESISTOR	180Ω 1/16W D	
R3347	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D	
R3351	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3352	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3353	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3354	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3361	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3362	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3363	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3365	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3366	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3367	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3368	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3369	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R3370	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3371	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R3381	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R3384	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3385	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R3386	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3387	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3388	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R3389	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3390	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3391	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3392	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3396	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3397	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3398	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3399	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J	
R3601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3607	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3608	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3611	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3612	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3613	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3621	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3701	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3704	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3705	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R3706	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R3707	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R3708	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3709	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R3711	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3713	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3714	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3715	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3716	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3717	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3718	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3719	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3723	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3724	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3725	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3727	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3728	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3730	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3733	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3735	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3736	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3737	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3738	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3739	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3741	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3742	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3743	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3744	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3745	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3746	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3747	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3748	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3749	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3750	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3751	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3752	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3754	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3755	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3756	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3757	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3758	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3759	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3762	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3763	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3764	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3765	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3768	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3769	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3771	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3772	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R3773	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R3774	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R3775	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3776	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3783	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3794	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3795	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3796	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3798	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3801	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4	
R3802	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4	
R3803	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4	
R3804	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4	
R3805	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4	
R3806	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4	
R3807	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4	
R3808	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4	
R3809	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R3810	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R3811	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R3812	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R3813	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3814	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3815	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3816	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3817	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3818	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3819	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3820	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3821	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3822	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3823	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3824	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3825	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3826	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3827	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3832	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3835	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3836	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3839	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3840	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3841	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3846	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3849	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3865	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3867	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3869	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R3872	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3874	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3875	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3876	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3877	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3878	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3879	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R3883	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3884	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3885	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3888	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R3889	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R3890	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3895	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3896	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3898	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3901	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3902	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R3903	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R3904	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R3905	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3906	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R3908	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3909	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3910	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3911	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J	
R3912	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3913	NRZ0075-R005X	MP RESISTOR	0.005Ω 1W J	
R3917	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3918	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3931	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3932	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3933	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D	
R3934	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D	
R3935	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R3939	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3951	NRSA63D-561X	MG RESISTOR	560Ω 1/16W D	
R3952	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R3953	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3954	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3960	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3968	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3969	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R3970	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R3971	NRSA63D-471X	MG RESISTOR	470Ω 1/16W D	
R3972	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R3977	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J	
R3978	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J	
R3979	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J	
R3981	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J	
R3982	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J	
R3983	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J	
R3990	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3991	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3992	NRSA02J-101X	MG RESISTOR	100Ω 1/10W J	
R3993	NRS12BJ-1R0W	MG RESISTOR	1Ω 1/2W J	
R3995	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3996	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3997	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3998	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
L3701	NQL092K-2R2X	COIL	2.2uH K	
L3901	NQLB3EN-100X	COIL	10uH N	
L3902	NQL52EN-4R7X	COIL	4.7uH N	
L3931	NQL63EM-101X	COIL	100uH M	
L3932	NQL52EN-4R7X	COIL	4.7uH N	
CN3002	QGF0401F1-80W	CONNECTOR	FFC/FPC (1-80)	
CN3003	QGF0401F1-80W	CONNECTOR	FFC/FPC (1-80)	
CN3004	QGF0401F1-80W	CONNECTOR	FFC/FPC (1-80)	
EF3004	NQR0504-001X	EMI FILTER		
EF3005	NQR0504-001X	EMI FILTER		
EF3006	NQR0504-001X	EMI FILTER		
EF3007	NQR0470-001X	EMI FILTER	22pF 50V	
EF3008	NQR0470-001X	EMI FILTER	22pF 50V	
EF3701	NQR0416-002X	EMI FILTER	84pF 16V M	
EF3702	NQR0470-003X	EMI FILTER	100pF 50V	
EF3703	NQR0470-003X	EMI FILTER	100pF 50V	
EF3708	NQR0416-002X	EMI FILTER	84pF 16V M	
EF3709	NQR0483-005X	EMI FILTER	100uF 25V Z	
EF3710	NQR0470-001X	EMI FILTER	22pF 50V	
EF3711	NQR0470-001X	EMI FILTER	22pF 50V	
EF3713	NQR0416-002X	EMI FILTER	84pF 16V M	
EF3901	NQR0483-005X	EMI FILTER	100uF 25V Z	
EF3903	NQR0483-005X	EMI FILTER	100uF 25V Z	
EF3904	NQR0483-005X	EMI FILTER	100uF 25V Z	
EF3905	NQR0483-005X	EMI FILTER	100uF 25V Z	
EF3906	NQR0483-005X	EMI FILTER	100uF 25V Z	
EF3907	NQR0483-005X	EMI FILTER	100uF 25V Z	
EF3909	NQR0470-007X	EMI FILTER	2200pF 50V	
EF3910	NQR0470-007X	EMI FILTER	2200pF 50V	
EF3911	NQR0470-007X	EMI FILTER	2200pF 50V	
K3001	NQR0499-001X	FERRITE BEADS		
K3191	NQR0499-001X	FERRITE BEADS		
K3192	NQR0499-001X	FERRITE BEADS		
K3193	NQR0499-001X	FERRITE BEADS		
K3194	NQR0499-001X	FERRITE BEADS		
K3195	NQR0499-001X	FERRITE BEADS		
K3196	NQR0499-001X	FERRITE BEADS		
K3291	NQR0499-001X	FERRITE BEADS		
K3292	NQR0499-001X	FERRITE BEADS		
K3293	NQR0499-001X	FERRITE BEADS		
K3294	NQR0499-001X	FERRITE BEADS		
K3295	NQR0499-001X	FERRITE BEADS		
K3296	NQR0499-001X	FERRITE BEADS		
K3391	NQR0499-001X	FERRITE BEADS		
K3392	NQR0499-001X	FERRITE BEADS		
K3393	NQR0499-001X	FERRITE BEADS		
K3394	NQR0499-001X	FERRITE BEADS		
K3395	NQR0499-001X	FERRITE BEADS		
K3396	NQR0499-001X	FERRITE BEADS		
K3701	NQR0499-001X	FERRITE BEADS		
K3861	NQR0499-001X	FERRITE BEADS		
K3891	NQR0499-001X	FERRITE BEADS		
K3893	NQR0499-001X	FERRITE BEADS		
K3894	NQR0499-001X	FERRITE BEADS		
X3201	NAX0673-001X	CRYSTAL	14.318180MHz	
X3701	NAX0781-001X	CRYSTAL	40.000MHz	

REMOCON P.W. BOARD ASS'Y (SRA-8011A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC0821	KSM-2013SY22EL	IR DETECT UNIT		
D0821	UDZW6.8B-X	Z DIODE		
C0821	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0822	QETN1EM-476Z	E CAPACITOR	47uF 25V M	

⚠Ref No.	Part No.	Part Name	Description	Local
R0821	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0822	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0823	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

TEMP P.W. BOARD ASS'Y (SRA-8202A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC2001	LM75BIM-5-X	IC		
D2001	STZ6.8N-X	Z DIODE		
C2002	NCB21CK-105X	C CAPACITOR	1uF 16V K	
R2001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
K2001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	

FAN P.W. BOARD ASS'Y (SRA-8401A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC8001	LM2941S-W	IC		
IC8002	PQ20WZ11-X	IC		
IC8003	PQ20WZ11-X	IC		
IC8005	SN74HC32NS-X	IC (DIGITAL)		
Q8001	2SC3928A/QR/-X	TRANSISTOR		
Q8004	2SC3928A/QR/-X	TRANSISTOR		
Q8005	2SC3928A/QR/-X	TRANSISTOR		
D8001	STZ6.8N-X	Z DIODE		
D8002	STZ6.8N-X	Z DIODE		
D8003	STZ6.8N-X	Z DIODE		
C8001	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C8002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C8003	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C8004	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C8005	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C8008	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C8009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C8010	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C8011	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C8018	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C8019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C8020	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C8021	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C8031	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
R8001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8002	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8003	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R8004	NRSA63D-681X	MG RESISTOR	680Ω 1/16W D	
R8005	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R8006	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R8014	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R8015	NRSA63D-681X	MG RESISTOR	680Ω 1/16W D	
R8016	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R8024	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R8025	NRSA63D-681X	MG RESISTOR	680Ω 1/16W D	
R8026	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R8031	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8032	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R8033	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R8034	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8035	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R8036	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R8041	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R8042	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	

SD CARD P.W. BOARD ASS'Y (SRA-8511A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1001	AU9331C23-MAS-X	IC		
Q1001	2SA1576A/QRS/-X	TRANSISTOR		
C1001	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C1002	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C1003	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C1004	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C1005	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C1006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1007	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1011	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C1012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1015	NEHL0GM-227X	E CAPACITOR	220uF 4V M	
C1016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1206	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R1001	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1003	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1004	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1006	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R1007	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1008	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1009	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1010	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1014	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1111	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RA1001	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
RA1002	NRZ0040-473X	NET RESISTOR	47kΩ 1/16W J x4	
L1001	NQR0603-002X	EMI FILTER		
J1201	GP1FAV31TK0F	OPT TRANSMITTER		
JK1001	NNZ0058-001X	SD CARD CONNECTOR		
K1001	NQR0499-002X	FERRITE BEADS		
K1002	NQR0499-002X	FERRITE BEADS		
LC1001	NQR0483-007X	EMI FILTER		
X1001	NAX0812-001X	CRYSTAL	12.000MHz	

POWER P.W. BOARD ASS'Y (SRA-9011A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9101	BA50BC0FP-X	IC		
IC9301	BAJ5CC0FP-X	IC		
IC9501	STR-W6754-F5	SW IC		
IC9701	PQ120RDA1SZ	IC		
IC9721	PQ15RW11	IC		
IC9741	PQ1CG2032FZ	IC		
IC9761	PQ1CG2032FZ	IC		
IC9762	SI-3011ZF-F3	IC		
Q9021	2SC3928A/QR/-X	TRANSISTOR		
Q9281	2SC3928A/QR/-X	TRANSISTOR		
Q9282	2SC3928A/QR/-X	TRANSISTOR		
Q9283	2SC3928A/QR/-X	TRANSISTOR		
Q9284	2SC3928A/QR/-X	TRANSISTOR		
Q9821	2SC3928A/QR/-X	TRANSISTOR		
Q9831	2SC3928A/QR/-X	TRANSISTOR		
Q9841	2SC3928A/QR/-X	TRANSISTOR		
Q9842	2SC3928A/QR/-X	TRANSISTOR		
Q9851	2SA1530A/QR/-X	TRANSISTOR		
Q9852	UN2213-X	DIGI TRANSISTOR		
Q9853	UN2213-X	DIGI TRANSISTOR		
Q9861	2SC3928A/QR/-X	TRANSISTOR		
D9021	1SS355-X	DIODE		
D9101	1N4003SG-T2	SI DIODE		
D9102	1N4003SG-T2	SI DIODE		
D9103	1N4003SG-T2	SI DIODE		
D9104	1N4003SG-T2	SI DIODE		
D9106	1N4003SG-T2	SI DIODE		
⚠D9201	GBJ6JU	BRIDGE DIODE		
D9281	MA111-X	SI DIODE		
D9282	UDZS4.7B-X	Z DIODE		
D9283	UDZS2.4B-X	Z DIODE		
D9301	SK14-GA-X	SB DIODE		
D9501	SARS01-T2	FR DIODE		

⚠Ref No.	Part No.	Part Name	Description	Local
D9502	SARS01-T2	FR DIODE		
D9503	FR105SGT-T2	SI DIODE		
D9504	FR105SGT-T2	SI DIODE		
D9505	MTZJ33B-T2	Z DIODE		
D9506	FR105SGT-T2	SI DIODE		
D9507	1SS355-X	DIODE		
D9510	1SS355-X	DIODE		
D9512	FR105SGT-T2	SI DIODE		
D9514	MTZJ13B-T2	Z DIODE		
D9551	HER202G-FL	SI DIODE		
D9552	HER202G-FL	SI DIODE		
D9553	FCH20A10	SB DIODE		
D9554	FR105SGT-T2	SI DIODE		
D9555	MTZJ15B-T2	Z DIODE		
D9556	MTZJ16C-T2	Z DIODE		
D9557	FR105SGT-T2	SI DIODE		
D9601	UTCTL431-T	IC		
D9701	SK14-GA-X	SB DIODE		
D9702	1SS355-X	DIODE		
D9721	SK14-GA-X	SB DIODE		
D9741	FSQ05A04	SB DIODE		
D9743	MTZJ6.8B-T2	Z DIODE		
D9762	FSQ05A04	SB DIODE		
D9763	MTZJ3.9B-T2	Z DIODE		
D9801	1SS355-X	DIODE		
D9821	1SS355-X	DIODE		
D9831	1SS355-X	DIODE		
D9832	UDZS5.6B-X	Z DIODE		
D9841	1SS355-X	DIODE		
D9842	1SS355-X	DIODE		
D9851	UDZS5.1B-X	Z DIODE		
D9852	1SS355-X	DIODE		
D9861	1SS355-X	DIODE		
D9862	1SS355-X	DIODE		
⚠C9001	QFZ9072-105	MM CAPACITOR	1uF AC250V K	
⚠C9002	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K	
⚠C9011	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
⚠C9013	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
C9101	QEHR1CM-108Z	E CAPACITOR	1000uF 16V M	
C9103	QEHR1CM-108Z	E CAPACITOR	1000uF 16V M	
C9104	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
⚠C9192	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
⚠C9193	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
⚠C9201	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C9202	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C9203	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C9204	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
C9205	QEZ0569-827	E CAPACITOR	820uF 200V M	
C9206	QEZ0569-827	E CAPACITOR	820uF 200V M	
C9219	QCZ0122-471	C CAPACITOR	470pF 2kV K	
C9281	QEHR1HM-226Z	E CAPACITOR	22uF 50V M	
C9282	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9301	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
C9302	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9303	NCF11EZ-105X	C CAPACITOR	1uF 25V Z	
C9501	QFP32JK-332	PP CAPACITOR	3300pF 630V K	
C9503	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C9504	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
C9505	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C9506	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9507	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9508	QCZ0340-471	C CAPACITOR	470pF 2kV K	
C9511	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	
C9512	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9555	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9556	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9559	QEHR2AM-106Z	E CAPACITOR	10uF 100V M	
C9560	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9562	QEHR1EM-477Z	E CAPACITOR	470uF 25V M	
C9563	QEHQ1VM-108	E CAPACITOR	1000uF 35V M	
C9564	QEHQ1VM-108	E CAPACITOR	1000uF 35V M	
C9568	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9569	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9570	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9571	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9572	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9603	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9701	QEHR1HM-106Z	E CAPACITOR	10uF 50V M	
C9702	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
C9721	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
C9723	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
C9741	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	
C9742	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9743	QECR1AM-128Z	E CAPACITOR	1200uF 10V M	
C9761	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	
C9762	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9763	QECR1AM-128Z	E CAPACITOR	1200uF 10V M	
C9768	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
C9770	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9771	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9772	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9773	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9774	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9777	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9778	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
C9779	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
C9801	QEHR1HM-106Z	E CAPACITOR	10uF 50V M	
C9831	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C9851	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
C9852	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9876	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9877	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9878	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9879	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9880	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9881	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9882	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9883	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9884	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9895	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
⚠R9001	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K	
R9021	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9022	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9112	QRE121J-330Y	C RESISTOR	33Ω 1/2W J	
R9113	QRE121J-330Y	C RESISTOR	33Ω 1/2W J	
⚠R9191	QRZ9046-685Z	C RESISTOR	6.8MΩ 1/2W K	
⚠R9202	QRF154K-1R0	UNF WW RESISTOR	1Ω 15W K	
R9204	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J	
R9205	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J	
R9282	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9283	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9284	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9285	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9286	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R9287	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R9288	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9289	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9290	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9291	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9292	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9301	NRS12BJ-122W	MG RESISTOR	1.2kΩ 1/2W J	
R9501	QRL039J-104	OMF RESISTOR	100kΩ 3W J	
R9502	QRL039J-333	OMF RESISTOR	33kΩ 3W J	
R9503	QRE121J-394Y	C RESISTOR	390kΩ 1/2W J	
R9504	QRE121J-394Y	C RESISTOR	390kΩ 1/2W J	
R9505	QRL039J-220	OMF RESISTOR	22Ω 3W J	
⚠R9506	QRZ9017-470	FUSI RESISTOR	47Ω 1/4W J	
R9507	NRS12BJ-100W	MG RESISTOR	10Ω 1/2W J	
R9508	NRS12BJ-122W	MG RESISTOR	1.2kΩ 1/2W J	
R9510	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9511	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J	
R9512	QRX01GJ-R39	MF RESISTOR	0.39Ω 1W J	
R9513	QRX01GJ-5R6	MF RESISTOR	5.6Ω 1W J	
R9514	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
⚠R9515	QRZ9009-4R7	FUSI RESISTOR	4.7Ω 1/2W J	
R9516	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9556	QRG01GJ-152	OMF RESISTOR	1.5kΩ 1W J	
R9557	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R9563	QRT039J-R47	MF RESISTOR	0.47Ω 3W J	
R9566	QRT039J-R47	MF RESISTOR	0.47Ω 3W J	
R9567	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9602	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9605	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R9606	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D	
R9607	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R9701	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9721	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9722	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R9723	NRSA63D-562X	MG RESISTOR	5.6kΩ 1/16W D	
R9741	NRSA63D-333X	MG RESISTOR	33kΩ 1/16W D	
R9742	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R9743	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9744	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D	
R9771	NRSA63D-562X	MG RESISTOR	5.6kΩ 1/16W D	
R9772	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	
R9773	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R9775	NRS12BJ-331W	MG RESISTOR	330Ω 1/2W J	
R9776	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9789	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D	
R9790	NRSA63D-113X	MG RESISTOR	11kΩ 1/16W D	
R9801	QRG01GJ-470	OMF RESISTOR	47Ω 1W J	
R9802	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9821	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9822	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9823	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9831	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9832	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R9833	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9834	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9841	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R9842	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9844	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9845	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9846	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9847	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9851	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9852	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9853	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9854	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9855	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9861	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9862	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9863	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R9864	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9865	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9866	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9873	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9877	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9878	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9898	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9899	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9551	QQL26AM-3R3Z	CHOKE COIL	3.3uH M	
L9552	QQL26AM-3R3Z	CHOKE COIL	3.3uH M	
L9741	QQR1401-001	CHOKE COIL		
L9761	QQR1401-001	CHOKE COIL		
⚠T9101	QQT0520-001	POWER TRANSF		
⚠T9501	QQS0352-001	SW TRANSF		
⚠CP9211	QMFZ043-5R0Z-J1	FUSE	5A AC250V	
⚠CP9554	ICP-N50-T	IC PROTECTOR	2.0A	
⚠CP9555	ICP-N50-T	IC PROTECTOR	2.0A	
⚠CP9556	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP9557	ICP-N70-T	IC PROTECTOR	2.5A	
⚠F9001	QMF5AD2-6R3-J1	FUSE	6.3A AC250V	
K9501	QQR1139-001	FERRITE BEADS		
K9502	QQR0621-002Z	FERRITE BEADS		
K9551	QQR0621-002Z	FERRITE BEADS		
K9552	QQR0621-002Z	FERRITE BEADS		
⚠LF9001	QQR1542-001	LINE FILTER		
⚠LF9002	QQR1466-001	LINE FILTER		
⚠LF9003	QQR1467-001	LINE FILTER		
⚠PC9501	PS2581AL1/QW/	PHOTO COUPLER		
⚠RY9021	QSK0162-001	RELAY		
⚠VA9001	QAF0060-621	VARISTOR	620V	

DIGITAL P.W. BOARD ASS'Y (SRA0D019A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC6001	JCC5060	IC		
IC6002	SN74LVC1G08V-X	IC		
IC6101	EDD1232AAFA-6B	IC		
IC6102	LP2996MR-X	IC		
IC6250	UPC5702GS-027-X	IC		
IC6251	R1170H331B-X	IC		
IC6401	ISL98001CQZ-140	IC		
IC6402	R1170H331B-X	IC		
IC6502	THC63LVDM83C-W	IC		
IC6724	S-80928CLNB-G-W	IC		
IC7033	CD74HC4094PW-X	IC		
IC7036	ADC081S021CIS-X	IC		
IC7201	39VF800A7IEKD68	IC(MICRO C ROM)		
IC7203	HY57V161610ETP7	IC		
IC7204	S-80928CLNB-G-W	IC		
IC7205	SN74LV00APW-X	IC		
IC7206	74LVC1G17GW-X	IC		
IC7601	M306V7MG-152FP	IC(MCU)		
IC7602	ATF16-52G647	IC	(SERVICE)	
IC7603	SN74AHCT1G08V-X	IC		
IC7604	SN74LVC1G04V-X	IC		
IC7605	MM1673XN-X	IC		
IC7606	MM1673XN-X	IC		
IC9001	MP2263DN-C053-X	IC		
IC9101	MM1662FT-X	IC		
IC9201	MP2263DN-C053-X	IC		
IC9301	MM1701CH-X	IC		
Q6201	2SA1530A/QR/-X	TRANSISTOR		
Q6202	2SA1530A/QR/-X	TRANSISTOR		
Q6203	2SA1022/BC/-X	TRANSISTOR		
Q6204	2SA1022/BC/-X	TRANSISTOR		
Q6205	2SA1022/BC/-X	TRANSISTOR		
Q6206	2SA1022/BC/-X	TRANSISTOR		
Q6211	2SC3837K/NP/-X	TRANSISTOR		
Q6212	2SC3837K/NP/-X	TRANSISTOR		
Q6213	2SC3837K/NP/-X	TRANSISTOR		
Q6214	2SC3837K/NP/-X	TRANSISTOR		
Q6250	2SC3928A/QR/-X	TRANSISTOR		
Q6251	2SC3928A/QR/-X	TRANSISTOR		
Q7032	RT1P441C-X	DIGI TRANSISTOR		
Q7033	RT1P441C-X	DIGI TRANSISTOR		
Q7034	RT1P441C-X	DIGI TRANSISTOR		
Q7035	RT1P441C-X	DIGI TRANSISTOR		
Q7201	2SC3928A/QR/-X	TRANSISTOR		
Q7501	RT1N441C-X	TRANSISTOR		
Q9501	RT1N441C-X	TRANSISTOR		
Q9502	2SC3928A/QR/-X	TRANSISTOR		
Q9503	2SC3928A/QR/-X	TRANSISTOR		
D7201	RB501V-40-X	SB DIODE		
D7501	1SS355W-X	DIODE		
D7502	1SS355W-X	DIODE		
D7601	1SS355W-X	DIODE		
D9001	EC30HA03L-X	SB DIODE		
D9002	EC30HA03L-X	SB DIODE		
D9003	PTZ3.9B-X	Z DIODE		
D9201	EC30HA03L-X	SB DIODE		
D9202	EC30HA03L-X	SB DIODE		
D9203	PTZ3.9B-X	Z DIODE		
D9204	1SS355W-X	DIODE		
D9501	1SS355W-X	DIODE		
D9502	1SS355W-X	DIODE		
C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6124	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6128	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6130	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6132	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C6133	NCB31CK-154X	C CAPACITOR	0.15uF 16V K	
C6134	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6135	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6139	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6217	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6218	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6239	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6241	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6242	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6243	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6244	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6245	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6246	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6247	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6248	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6249	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6250	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6252	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6253	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6254	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6255	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6260	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6261	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6262	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6263	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6268	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6270	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6271	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6272	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6273	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6274	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6276	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6277	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6278	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C6279	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6280	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6282	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6283	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6284	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6285	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6286	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6288	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6289	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6290	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6291	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6293	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6294	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6295	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6296	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6297	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6298	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C6402	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6403	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6406	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6409	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6411	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6412	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6413	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6414	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6415	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C6416	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6418	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6419	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6420	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6422	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6423	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6424	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6425	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6428	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6429	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6430	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6431	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6432	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6433	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6434	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6435	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6436	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6437	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6438	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6439	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6440	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6441	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6520	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6523	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6524	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6525	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6571	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6573	NCB21CK-104X	C CAPACITOR	0.1uF 16V K	
C6601	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6610	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6612	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6613	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6614	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6618	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6619	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6620	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6621	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6622	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6624	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6626	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6627	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6628	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6629	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6630	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6631	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6632	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6633	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6634	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6635	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6636	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6637	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6638	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6639	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6640	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6641	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6642	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6643	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6644	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6645	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6654	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6656	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6657	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6658	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6659	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6660	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6661	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6669	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6670	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6677	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6678	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6679	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6680	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6681	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6682	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6683	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6684	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6685	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6686	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6687	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6688	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6689	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6690	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6691	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6692	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6693	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6694	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6695	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6696	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6697	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6698	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6699	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6701	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C6723	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6724	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C6901	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6903	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6904	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6906	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6907	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6908	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6909	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6911	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6912	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6913	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6914	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6915	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6916	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6917	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6918	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6919	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6921	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6922	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6923	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6924	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6925	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6926	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6927	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6928	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7034	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C7039	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7051	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7053	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7056	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7057	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7058	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7059	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7060	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7061	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7062	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7063	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7064	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7065	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7066	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7067	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7068	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C7073	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7208	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7211	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7212	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7213	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7215	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C7216	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7501	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7504	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7505	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7506	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7507	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7508	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7510	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7514	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7515	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7516	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7517	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7601	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7604	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7605	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C7606	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7607	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7609	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7610	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7611	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C7612	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7618	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7619	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7620	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7631	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7632	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7633	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C9001	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9003	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9101	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9201	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9206	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9207	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C9208	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9211	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C9301	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9302	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9303	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9304	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9313	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9314	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9501	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C9502	NCB31CK-105X	C CAPACITOR	1uF 16V K	
R6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6009	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6101	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6102	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6103	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6107	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6108	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6110	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6111	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6112	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6113	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6114	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6117	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6118	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6119	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6120	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6127	NRSA63J-1R5X	MG RESISTOR	1.5Ω 1/16W J	
R6141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6235	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6236	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6239	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6242	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6245	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6248	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6249	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6253	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6254	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6255	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6258	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6259	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6261	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6262	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6263	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6266	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R6267	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6268	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6269	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6270	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6271	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6273	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6274	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6275	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6276	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6279	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6280	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6281	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6282	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6283	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6286	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6287	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6288	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6291	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6294	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6295	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6296	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6297	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6299	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6401	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6402	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6403	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6408	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6409	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6410	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6411	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6414	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6415	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6416	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6419	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6421	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6423	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6424	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6425	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6426	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6427	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6428	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6521	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6522	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6523	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6524	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6530	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6569	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6572	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6573	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6575	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6592	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6597	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6607	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6609	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6707	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6730	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6731	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6732	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6733	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6921	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7032	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7040	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7041	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7042	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7064	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7066	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7067	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7081	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7084	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7085	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7086	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7089	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7090	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7092	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7093	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7095	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7097	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7098	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7099	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7131	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7173	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7174	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7175	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7176	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7177	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7184	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7203	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7207	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7211	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7215	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7217	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7225	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7229	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7230	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7231	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7232	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7234	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7235	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7237	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7239	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7240	NQR0199-003X	FERRITE BEADS		
R7241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7349	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7350	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7351	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7370	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7504	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7514	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7515	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7605	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7606	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7607	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7608	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7609	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7612	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7616	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7618	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7619	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7620	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7622	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7624	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R7626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7627	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7628	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7631	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R7632	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7634	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R7635	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7646	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7659	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R8781	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8797	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8798	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8799	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9003	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9004	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9006	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9203	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9306	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9502	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9503	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R9504	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9506	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9509	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RA6001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6007	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6008	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6011	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6102	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6105	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6107	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6108	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6110	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6113	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6115	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6116	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6401	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6402	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6403	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6533	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6534	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA7202	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7203	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7204	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7205	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7503	NQR0271-001X	EMI FILTER		
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7606	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6102	NQL79GM-220X	COIL	22uH M	
L6103	NQL79GM-220X	COIL	22uH M	
L6115	NQR0499-001X	FERRITE BEADS		
L6254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6265	NQR0499-001X	FERRITE BEADS		
L6266	NQR0499-001X	FERRITE BEADS		
L6402	NQL79GM-100X	COIL	10uH M	
L6403	NQL79GM-100X	COIL	10uH M	
L6404	NQL79GM-100X	COIL	10uH M	
L6521	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6522	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6523	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6531	NQR0199-007X	FERRITE BEADS		
L6701	NQR0413-003X	FERRITE BEADS		
L6911	NQR0499-001X	FERRITE BEADS		
L6912	NQR0499-001X	FERRITE BEADS		
L6922	NQL79GM-220X	COIL	22uH M	
L6923	NQL79GM-220X	COIL	22uH M	
L6924	NQL79GM-220X	COIL	22uH M	
L6925	NQL79GM-220X	COIL	22uH M	
L6931	NQR0499-001X	FERRITE BEADS		
L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9001	NQLC8CM-150X	COIL	15uH M	
L9201	NQLC8CM-150X	COIL	15uH M	
CLIP1	NNZ0155-001X	SHIELD CLIP		
CLIP2	NNZ0155-001X	SHIELD CLIP		
CN011	QGF0508F4-50X	CONNECTOR	FFC/FPC (1-50)	
CN012	QGF0508F4-40X	CONNECTOR	FFC/FPC (1-40)	
J8501	NNZ0117-001	CONNECTOR	DIGITAL-IN-2	
K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6261	NQR0489-002X	FERRITE BEADS		
K6263	NQR0489-002X	FERRITE BEADS		
K6264	NQR0489-002X	FERRITE BEADS		
K6265	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6266	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6267	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6268	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6272	NQR0499-001X	FERRITE BEADS		
K6401	NQR0499-001X	FERRITE BEADS		
K6402	NQR0499-001X	FERRITE BEADS		
K6403	NQR0499-001X	FERRITE BEADS		
K6404	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6405	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7032	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7033	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7034	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7501	NQR0413-002X	FERRITE BEADS		
K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7601	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LC7505	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9303	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9305	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9307	NQR0483-005X	EMI FILTER	100uF 25V Z	
X6250	NAX0580-001X	CXO	27.0000MHz	
X7001	NAX0669-001X	C RESONATOR	6.000MHz	
X7601	NAX0613-001X	C RESONATOR	16.000MHz	

SIDE CONTROL P.W. BOARD ASS'Y (SRA0L011A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
D0843	UDZW10B-X	Z DIODE		
D0844	UDZW10B-X	Z DIODE		
D0845	UDZW10B-X	Z DIODE		
D0846	UDZW10B-X	Z DIODE		
C0841	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C0842	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0843	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C0844	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C0845	NCB21CK-105X	C CAPACITOR	1uF 16V K	
R0842	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R0843	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R0844	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R0845	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R0846	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R0847	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0849	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0851	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0852	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R0853	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0854	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
J0841	QNN0787-001	PIN JACK	INPUT-4(S/V/L/R)	
S0851	QSW0619-003Z	PUSH SWITCH	VOL+	
S0852	QSW0619-003Z	PUSH SWITCH	VOL-	
S0853	QSW0619-003Z	PUSH SWITCH	MENU	
S0854	QSW0619-003Z	PUSH SWITCH	CH+	
S0855	QSW0619-003Z	PUSH SWITCH	CH-	
S0856	QSW0619-003Z	PUSH SWITCH	INPUT	

FRONT LED P.W. BOARD ASS'Y (SRA0L111A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
Q0701	2SC3928A/QR/-X	TRANSISTOR		
Q0702	2SC3928A/QR/-X	TRANSISTOR		
Q0704	2SC3928A/QR/-X	TRANSISTOR		
Q0705	2SC3928A/QR/-X	TRANSISTOR		
Q0706	2SC3928A/QR/-X	TRANSISTOR		
Q0707	2SC3928A/QR/-X	TRANSISTOR		
D0701	SELU5E20C/EF/-T	LED	POWER	
D0703	MA8068-X	Z DIODE		
D0704	MA8068-X	Z DIODE		
D0705	LE22440	LED	LAMP	
D0706	MA8068-X	Z DIODE		
D0707	MA8068-X	Z DIODE		
C0701	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C0702	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C0703	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C0704	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C0705	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C0706	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
R0706	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0708	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0709	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0710	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0711	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R0712	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0713	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0714	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0715	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0716	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
S0701	QSW0619-003Z	PUSH SWITCH	POWER	

LAMP COVER P.W. BOARD ASS'Y (SRA0L211A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
C0861	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
CN08G3	QUB130-32EMZ4-E	SIN TWIST WIRE		
S0861	QSW1064-001	DETECT SWITCH	LAMP COVER SW	

TUNER P.W. BOARD ASS'Y (SRA0R011A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC001	PQ050RDA1SZ	IC		
IC061	CXA2205Q-X	IC		
Q004	2SA1530A/QR/-X	TRANSISTOR		
Q005	2SC3928A/QR/-X	TRANSISTOR		
Q006	2SA1530A/QR/-X	TRANSISTOR		
C001	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C002	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C007	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C010	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C013	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C014	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C015	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C016	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C017	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C061	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C062	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C063	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C064	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C065	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C066	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C067	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C068	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C069	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C070	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C071	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C072	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C073	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C074	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C075	NCB11AK-335X	C CAPACITOR	3.3uF 10V K	
C076	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C077	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C078	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C079	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C080	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C081	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C082	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C083	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C084	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C085	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C086	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C087	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C088	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C089	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C090	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C091	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C092	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C093	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C094	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R003	QRT029J-6R8	MF RESISTOR	6.8Ω 2W J	
R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R006	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R007	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R008	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R028	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R029	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R030	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R061	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R062	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R063	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R064	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R065	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R066	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R067	NRSA63D-683X	MG RESISTOR	68kΩ 1/16W D	
R068	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R069	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R070	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R071	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R076	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L002	NQL79GM-100X	COIL	10uH M	
L004	NQL953J-120X	COIL	12uH J	
CN0T1	QGF1201C2-25	CONNECTOR	FFC/FPC (1-25)	
TU001	QAU0467-001	TUNER		

ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2203A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
MD001	SSD-2203A-M2	ATSC TUNER MODULE PWB		

PRINTED WIRING BOARD PARTS LIST [HD-56G647]

ANALOG P.W. BOARD ASS'Y (SRA-1012A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

DRIVE P.W. BOARD ASS'Y (SRA-3005A-M2)

REFER TO PARTS LIST IN PAGE 3-18 FOR THIS P.W. BOARD.

REMOCON P.W. BOARD ASS'Y (SRA-8011A-M2)

REFER TO PARTS LIST IN PAGE 3-22 FOR THIS P.W. BOARD.

TEMP P.W. BOARD ASS'Y (SRA-8202A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

FAN P.W. BOARD ASS'Y (SRA-8401A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

SD CARD P.W. BOARD ASS'Y (SRA-8511A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (SRA-9011A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

DIGITAL P.W. BOARD ASS'Y (SRA0D021A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC6001	JCC5060	IC		
IC6002	SN74LVC1G08V-X	IC		
IC6101	EDD1232AAFA-6B	IC		
IC6102	LP2996MR-X	IC		
IC6250	UPC5702GS-027-X	IC		
IC6251	R1170H331B-X	IC		
IC6401	ISL98001CQZ-140	IC		
IC6402	R1170H331B-X	IC		
IC6502	THC63LVDM83C-W	IC		
IC6724	S-80928CLNB-G-W	IC		
IC7033	CD74HC4094PW-X	IC		
IC7036	ADC081S021CIS-X	IC		
IC7201	39VF800A7IEKD67	IC(MICRO C ROM)		
IC7203	HY57V161610ETP7	IC		
IC7204	S-80928CLNB-G-W	IC		
IC7205	SN74LV00APW-X	IC		
IC7206	74LVC1G17GW-X	IC		
IC7601	M306V7MG-152FP	IC(MCU)		
IC7602	ATF16-56G647	IC	(SERVICE)	
IC7603	SN74AHCT1G08V-X	IC		
IC7604	SN74LVC1G04V-X	IC		
IC7605	MM1673XN-X	IC		
IC7606	MM1673XN-X	IC		
IC9001	MP2263DN-C053-X	IC		
IC9101	MM1662FT-X	IC		
IC9201	MP2263DN-C053-X	IC		
IC9301	MM1701CH-X	IC		
Q6201	2SA1530A/QR/-X	TRANSISTOR		
Q6202	2SA1530A/QR/-X	TRANSISTOR		
Q6203	2SA1022/BC/-X	TRANSISTOR		
Q6204	2SA1022/BC/-X	TRANSISTOR		
Q6205	2SA1022/BC/-X	TRANSISTOR		
Q6206	2SA1022/BC/-X	TRANSISTOR		
Q6211	2SC3837K/NP/-X	TRANSISTOR		
Q6212	2SC3837K/NP/-X	TRANSISTOR		
Q6213	2SC3837K/NP/-X	TRANSISTOR		
Q6214	2SC3837K/NP/-X	TRANSISTOR		
Q6250	2SC3928A/QR/-X	TRANSISTOR		
Q6251	2SC3928A/QR/-X	TRANSISTOR		
Q7032	RT1P441C-X	DIGI TRANSISTOR		
Q7033	RT1P441C-X	DIGI TRANSISTOR		
Q7034	RT1P441C-X	DIGI TRANSISTOR		
Q7035	RT1P441C-X	DIGI TRANSISTOR		
Q7201	2SC3928A/QR/-X	TRANSISTOR		
Q7501	RT1N441C-X	TRANSISTOR		
Q9501	RT1N441C-X	TRANSISTOR		
Q9502	2SC3928A/QR/-X	TRANSISTOR		
Q9503	2SC3928A/QR/-X	TRANSISTOR		
D7201	RB501V-40-X	SB DIODE		
D7501	1SS355W-X	DIODE		
D7502	1SS355W-X	DIODE		
D7601	1SS355W-X	DIODE		
D9001	EC30HA03L-X	SB DIODE		
D9002	EC30HA03L-X	SB DIODE		
D9003	PTZ3.9B-X	Z DIODE		
D9201	EC30HA03L-X	SB DIODE		
D9202	EC30HA03L-X	SB DIODE		
D9203	PTZ3.9B-X	Z DIODE		
D9204	1SS355W-X	DIODE		
D9501	1SS355W-X	DIODE		
D9502	1SS355W-X	DIODE		
C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6124	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6128	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6130	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6132	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C6133	NCB31CK-154X	C CAPACITOR	0.15uF 16V K	
C6134	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6135	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6139	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6217	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6218	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6239	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6241	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6242	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6243	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6244	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6245	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6246	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6247	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6248	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6249	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6250	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6252	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6253	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6254	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6255	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6260	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6261	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6262	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6263	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6268	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6270	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6271	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6272	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6273	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6274	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6276	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6277	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6278	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6279	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6280	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6282	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6283	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6284	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6285	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6286	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6288	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6289	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6290	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6291	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6293	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6294	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6295	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6296	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6297	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6298	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C6402	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6403	NCB11AK-106X	C CAPACITOR	10uF 10V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C6406	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6409	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6411	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6412	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6413	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6414	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6415	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C6416	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6418	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6419	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6420	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6422	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6423	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6424	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6425	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6428	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6429	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6430	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6431	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6432	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6433	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6434	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6435	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6436	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6437	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6438	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6439	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6440	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6441	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6520	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6523	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6524	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6525	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6571	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6573	NCB21CK-104X	C CAPACITOR	0.1uF 16V K	
C6601	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6610	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6612	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6613	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6614	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6618	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6619	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6620	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6621	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6622	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6624	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6626	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6627	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6628	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6629	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6630	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6631	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6632	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6633	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6634	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6635	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6636	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6637	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6638	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6639	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6640	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6641	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6642	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6643	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6644	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6645	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6654	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6656	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6657	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6658	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6659	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6660	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6661	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6669	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6670	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6677	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6678	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6679	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C6680	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6681	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6682	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6683	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6684	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6685	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6686	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6687	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6688	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6689	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6690	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6691	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6692	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6693	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6694	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6695	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6696	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6697	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6698	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6699	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6701	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C6723	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6724	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C6901	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6903	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6904	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6906	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6907	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6908	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6909	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6911	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6912	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6913	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6914	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6915	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6916	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6917	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6918	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6919	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6921	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6922	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6923	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6924	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6925	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6926	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6927	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6928	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7034	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C7039	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7051	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7053	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7056	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7057	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7058	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7059	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7060	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7061	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7062	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7063	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7064	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7065	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7066	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7067	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7068	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7073	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7208	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7211	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7212	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7213	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7215	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C7216	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7501	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7504	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7505	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7506	NDC31HJ-100X	C CAPACITOR	10pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C7507	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7508	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7510	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7514	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7515	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7516	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7517	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7601	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7604	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7605	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C7606	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7607	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7609	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7610	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7611	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C7612	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7618	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7619	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7620	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7631	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7632	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7633	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C9001	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9003	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9101	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9201	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9206	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9207	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C9208	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9211	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C9301	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9302	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9303	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9304	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9313	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9314	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9501	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C9502	NCB31CK-105X	C CAPACITOR	1uF 16V K	
R6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6009	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6101	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6102	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6103	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6107	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6108	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6110	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6111	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6112	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6113	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6114	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6117	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6118	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6119	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6120	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6127	NRSA63J-1R5X	MG RESISTOR	1.5Ω 1/16W J	
R6141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6235	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6236	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6239	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6242	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6245	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6248	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6249	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6253	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6254	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6255	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6258	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6259	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6261	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6262	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6263	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6266	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R6267	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6268	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6269	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6270	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6271	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6273	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6274	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6275	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6276	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6279	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6280	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6281	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6282	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6283	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6286	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6287	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6288	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6291	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6294	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6295	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6296	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6297	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6299	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6401	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6402	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6403	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6408	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6409	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6410	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6411	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6414	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6415	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6416	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6419	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6421	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6423	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6424	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6425	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6426	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6427	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6428	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6521	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6522	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6523	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6524	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6530	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6569	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6572	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6573	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6575	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6592	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6597	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6607	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6609	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6707	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6730	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6731	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6732	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6733	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6921	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7032	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7040	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7041	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7042	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7064	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7066	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7067	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7081	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7084	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7085	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7086	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7089	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7090	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7092	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7093	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7095	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7097	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7098	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7099	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7131	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R7170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7173	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7174	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7175	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7176	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7177	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7184	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7203	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7207	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7211	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7215	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7217	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7225	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7229	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7230	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7231	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7232	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7234	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7235	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7237	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7239	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7240	NQR0199-003X	FERRITE BEADS		
R7241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7349	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7350	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7351	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7370	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7504	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7514	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7515	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7605	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7606	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7607	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7608	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7609	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7612	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7616	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7618	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7619	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7620	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7622	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7624	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7627	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7628	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7631	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R7632	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7634	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R7635	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7646	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7659	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R8781	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8797	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8798	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8799	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R9003	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9004	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9006	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9203	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9306	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9502	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9503	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R9504	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9506	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9509	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RA6001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6007	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6008	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6011	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6102	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6105	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6107	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6108	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6110	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6113	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6115	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6116	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6401	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6402	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6403	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6533	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6534	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA7202	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7203	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7204	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7205	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7503	NQR0271-001X	EMI FILTER		
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7606	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6102	NQL79GM-220X	COIL	22uH M	
L6103	NQL79GM-220X	COIL	22uH M	
L6115	NQR0499-001X	FERRITE BEADS		
L6254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6265	NQR0499-001X	FERRITE BEADS		
L6266	NQR0499-001X	FERRITE BEADS		
L6402	NQL79GM-100X	COIL	10uH M	
L6403	NQL79GM-100X	COIL	10uH M	
L6404	NQL79GM-100X	COIL	10uH M	
L6521	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6522	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6523	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6531	NQR0199-007X	FERRITE BEADS		
L6701	NQR0413-003X	FERRITE BEADS		
L6911	NQR0499-001X	FERRITE BEADS		
L6912	NQR0499-001X	FERRITE BEADS		
L6922	NQL79GM-220X	COIL	22uH M	
L6923	NQL79GM-220X	COIL	22uH M	
L6924	NQL79GM-220X	COIL	22uH M	
L6925	NQL79GM-220X	COIL	22uH M	
L6931	NQR0499-001X	FERRITE BEADS		
L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9001	NQLC8CM-150X	COIL	15uH M	
L9201	NQLC8CM-150X	COIL	15uH M	
CLIP1	NNZ0155-001X	SHIELD CLIP		
CLIP2	NNZ0155-001X	SHIELD CLIP		
CN011	QGF0508F4-50X	CONNECTOR	FFC/FPC (1-50)	
CN012	QGF0508F4-40X	CONNECTOR	FFC/FPC (1-40)	
J8501	NNZ0117-001	CONNECTOR	DIGITAL-IN-2	
K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6261	NQR0489-002X	FERRITE BEADS		
K6263	NQR0489-002X	FERRITE BEADS		
K6264	NQR0489-002X	FERRITE BEADS		
K6265	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6266	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6267	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6268	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6272	NQR0499-001X	FERRITE BEADS		
K6401	NQR0499-001X	FERRITE BEADS		
K6402	NQR0499-001X	FERRITE BEADS		
K6403	NQR0499-001X	FERRITE BEADS		
K6404	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6405	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7032	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7033	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7034	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7501	NQR0413-002X	FERRITE BEADS		
K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7601	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LC7505	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9303	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9305	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9307	NQR0483-005X	EMI FILTER	100uF 25V Z	
X6250	NAX0580-001X	CXO	27.0000MHz	
X7001	NAX0669-001X	C RESONATOR	6.000MHz	
X7601	NAX0613-001X	C RESONATOR	16.000MHz	

SIDE CONTROL P.W. BOARD ASS'Y (SRA0L011A-M2)

REFER TO PARTS LIST IN PAGE 3-29 FOR THIS P.W. BOARD.

FRONT LED P.W. BOARD ASS'Y (SRA0L111A-M2)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

LAMP COVER P.W. BOARD ASS'Y (SRA0L211A-M2)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

TUNER P.W. BOARD ASS'Y (SRA0R011A-M2)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2203A-M2)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [HD-56G657]

ANALOG P.W. BOARD ASS'Y (SRA-1012A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

DRIVE P.W. BOARD ASS'Y (SRA-3005A-M2)

REFER TO PARTS LIST IN PAGE 3-18 FOR THIS P.W. BOARD.

REMOCON P.W. BOARD ASS'Y (SRA-8011A-M2)

REFER TO PARTS LIST IN PAGE 3-22 FOR THIS P.W. BOARD.

TEMP P.W. BOARD ASS'Y (SRA-8202A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

FAN P.W. BOARD ASS'Y (SRA-8401A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

SD CARD P.W. BOARD ASS'Y (SRA-8511A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (SRA-9011A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

DIGITAL P.W. BOARD ASS'Y (SRA0D018A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC6001	JCC5060	IC		
IC6002	SN74LVC1G08V-X	IC		
IC6101	EDD1232AAFA-6B	IC		
IC6102	LP2996MR-X	IC		
IC6250	UPC5702GS-027-X	IC		
IC6251	R1170H331B-X	IC		
IC6401	ISL98001CQZ-140	IC		
IC6402	R1170H331B-X	IC		
IC6502	THC63LVDM83C-W	IC		
IC6724	S-80928CLNB-G-W	IC		
IC7033	CD74HC4094PW-X	IC		
IC7036	ADC081S021CIS-X	IC		
IC7201	39VF800A7IEKD67	IC(MICRO C ROM)		
IC7203	HY57V161610ETP7	IC		
IC7204	S-80928CLNB-G-W	IC		
IC7205	SN74LV00APW-X	IC		
IC7206	74LVC1G17GW-X	IC		
IC7601	M306V7MG-152FP	IC(MCU)		
IC7602	ATF16-56G647	IC	(SERVICE)	
IC7603	SN74AHCT1G08V-X	IC		
IC7604	SN74LVC1G04V-X	IC		
IC7605	MM1673XN-X	IC		
IC7606	MM1673XN-X	IC		
IC9001	MP2263DN-C053-X	IC		
IC9101	MM1662FT-X	IC		
IC9201	MP2263DN-C053-X	IC		
IC9301	MM1701CH-X	IC		
Q6201	2SA1530A/QR/-X	TRANSISTOR		
Q6202	2SA1530A/QR/-X	TRANSISTOR		
Q6203	2SA1022/BC/-X	TRANSISTOR		
Q6204	2SA1022/BC/-X	TRANSISTOR		
Q6205	2SA1022/BC/-X	TRANSISTOR		
Q6206	2SA1022/BC/-X	TRANSISTOR		
Q6211	2SC3837K/NP/-X	TRANSISTOR		
Q6212	2SC3837K/NP/-X	TRANSISTOR		
Q6213	2SC3837K/NP/-X	TRANSISTOR		
Q6214	2SC3837K/NP/-X	TRANSISTOR		
Q6250	2SC3928A/QR/-X	TRANSISTOR		
Q6251	2SC3928A/QR/-X	TRANSISTOR		
Q7032	RT1P441C-X	DIGI TRANSISTOR		
Q7033	RT1P441C-X	DIGI TRANSISTOR		
Q7034	RT1P441C-X	DIGI TRANSISTOR		
Q7035	RT1P441C-X	DIGI TRANSISTOR		
Q7201	2SC3928A/QR/-X	TRANSISTOR		
Q7501	RT1N441C-X	TRANSISTOR		
Q9501	RT1N441C-X	TRANSISTOR		
Q9502	2SC3928A/QR/-X	TRANSISTOR		
Q9503	2SC3928A/QR/-X	TRANSISTOR		
D7201	RB501V-40-X	SB DIODE		
D7501	1SS355W-X	DIODE		
D7502	1SS355W-X	DIODE		
D7601	1SS355W-X	DIODE		
D9001	EC30HA03L-X	SB DIODE		
D9002	EC30HA03L-X	SB DIODE		
D9003	PTZ3.9B-X	Z DIODE		
D9201	EC30HA03L-X	SB DIODE		
D9202	EC30HA03L-X	SB DIODE		
D9203	PTZ3.9B-X	Z DIODE		
D9204	1SS355W-X	DIODE		
D9501	1SS355W-X	DIODE		
D9502	1SS355W-X	DIODE		
C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6124	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6128	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6130	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6132	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C6133	NCB31CK-154X	C CAPACITOR	0.15uF 16V K	
C6134	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6135	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6139	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6217	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6218	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6239	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6241	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6242	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6243	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6244	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6245	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6246	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6247	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6248	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6249	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6250	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6252	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6253	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6254	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6255	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6260	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6261	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6262	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6263	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6268	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6270	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6271	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6272	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6273	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6274	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6276	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6277	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6278	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6279	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6280	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6282	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6283	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6284	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6285	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6286	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6288	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6289	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6290	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6291	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6293	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6294	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6295	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6296	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6297	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6298	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C6402	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6403	NCB11AK-106X	C CAPACITOR	10uF 10V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C6406	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6409	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6411	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6412	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6413	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6414	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6415	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C6416	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6418	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6419	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6420	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6422	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6423	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6424	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6425	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6428	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6429	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6430	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6431	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6432	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6433	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6434	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6435	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6436	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6437	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6438	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6439	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6440	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6441	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6520	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6523	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6524	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6525	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6571	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6573	NCB21CK-104X	C CAPACITOR	0.1uF 16V K	
C6601	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6610	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6612	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6613	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6614	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6618	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6619	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6620	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6621	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6622	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6624	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6626	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6627	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6628	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6629	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6630	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6631	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6632	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6633	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6634	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6635	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6636	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6637	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6638	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6639	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6640	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6641	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6642	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6643	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6644	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6645	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6654	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6656	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6657	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6658	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6659	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6660	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6661	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6669	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6670	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6677	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6678	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6679	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6680	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6681	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6682	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6683	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6684	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6685	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6686	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6687	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6688	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6689	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6690	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6691	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6692	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6693	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6694	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6695	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6696	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6697	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6698	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6699	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6701	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C6723	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6724	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C6901	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6903	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6904	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6906	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6907	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6908	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6909	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6911	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6912	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6913	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6914	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6915	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6916	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6917	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6918	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6919	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6921	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6922	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6923	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6924	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6925	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6926	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6927	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6928	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7034	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C7039	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7051	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7053	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7056	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7057	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7058	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7059	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7060	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7061	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7062	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7063	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7064	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7065	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7066	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7067	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7068	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7073	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7208	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7211	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7212	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7213	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7215	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C7216	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7501	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7504	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7505	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7506	NDC31HJ-100X	C CAPACITOR	10pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C7507	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7508	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7510	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7514	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7515	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7516	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7517	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7601	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7604	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7605	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C7606	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7607	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7609	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7610	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7611	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C7612	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7618	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7619	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7620	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7631	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7632	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7633	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C9001	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9003	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9101	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9201	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9206	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9207	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C9208	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9211	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C9301	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9302	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9303	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9304	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9313	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9314	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9501	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C9502	NCB31CK-105X	C CAPACITOR	1uF 16V K	
R6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6009	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6101	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6102	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6103	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6107	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6108	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6110	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6111	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6112	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6113	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6114	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6117	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6118	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6119	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6120	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6127	NRSA63J-1R5X	MG RESISTOR	1.5Ω 1/16W J	
R6141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6235	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6236	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6239	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6242	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6245	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6248	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6249	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6253	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6254	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6255	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6258	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6259	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6261	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6262	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6263	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6266	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R6267	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6268	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6269	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6270	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6271	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6273	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6274	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6275	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6276	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6279	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6280	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6281	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6282	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6283	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6286	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6287	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6288	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6291	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6294	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6295	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6296	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6297	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6299	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6401	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6402	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6403	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6408	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6409	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6410	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6411	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6414	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6415	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6416	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6419	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6421	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6423	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6424	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6425	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6426	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6427	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6428	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6521	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6522	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6523	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6524	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6530	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6569	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6572	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6573	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6575	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6592	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6597	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6607	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6609	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6707	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6730	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6731	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6732	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6733	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6921	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7032	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7040	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7041	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7042	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7064	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7066	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7067	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7081	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7084	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7085	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7086	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7089	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7090	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7092	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7093	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7095	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7097	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7098	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7099	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7131	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7173	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7174	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7175	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7176	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7177	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7184	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7203	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7207	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7211	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7215	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7217	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7225	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7229	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7230	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7231	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7232	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7234	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7235	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7237	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7239	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7240	NQR0199-003X	FERRITE BEADS		
R7241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7349	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7350	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7351	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7370	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7504	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7514	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7515	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7605	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7606	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7607	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7608	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7609	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7612	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7616	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7618	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7619	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7620	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7622	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7624	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7627	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7628	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7631	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R7632	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7634	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R7635	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7646	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7659	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R8781	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8797	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8798	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8799	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R9003	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9004	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9006	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9203	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9306	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9502	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9503	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R9504	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9506	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9509	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RA6001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6007	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6008	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6011	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6102	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6105	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6107	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6108	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6110	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6113	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6115	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6116	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6401	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6402	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6403	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6533	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6534	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA7202	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7203	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7204	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7205	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7503	NQR0271-001X	EMI FILTER		
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7606	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6102	NQL79GM-220X	COIL	22uH M	
L6103	NQL79GM-220X	COIL	22uH M	
L6115	NQR0499-001X	FERRITE BEADS		
L6254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6265	NQR0499-001X	FERRITE BEADS		
L6266	NQR0499-001X	FERRITE BEADS		
L6402	NQL79GM-100X	COIL	10uH M	
L6403	NQL79GM-100X	COIL	10uH M	
L6404	NQL79GM-100X	COIL	10uH M	
L6521	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6522	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6523	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6531	NQR0199-007X	FERRITE BEADS		
L6701	NQR0413-003X	FERRITE BEADS		
L6911	NQR0499-001X	FERRITE BEADS		
L6912	NQR0499-001X	FERRITE BEADS		
L6922	NQL79GM-220X	COIL	22uH M	
L6923	NQL79GM-220X	COIL	22uH M	
L6924	NQL79GM-220X	COIL	22uH M	
L6925	NQL79GM-220X	COIL	22uH M	
L6931	NQR0499-001X	FERRITE BEADS		
L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9001	NQLC8CM-150X	COIL	15uH M	
L9201	NQLC8CM-150X	COIL	15uH M	
CLIP1	NNZ0155-001X	SHIELD CLIP		
CLIP2	NNZ0155-001X	SHIELD CLIP		
CN011	QGF0508F4-50X	CONNECTOR	FFC/FPC (1-50)	
CN012	QGF0508F4-40X	CONNECTOR	FFC/FPC (1-40)	
J8501	NNZ0117-001	CONNECTOR	DIGITAL-IN-2	
K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6261	NQR0489-002X	FERRITE BEADS		
K6263	NQR0489-002X	FERRITE BEADS		
K6264	NQR0489-002X	FERRITE BEADS		
K6265	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6266	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6267	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6268	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6272	NQR0499-001X	FERRITE BEADS		
K6401	NQR0499-001X	FERRITE BEADS		
K6402	NQR0499-001X	FERRITE BEADS		
K6403	NQR0499-001X	FERRITE BEADS		
K6404	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6405	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7032	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7033	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7034	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7501	NQR0413-002X	FERRITE BEADS		
K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7601	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LC7505	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9303	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9305	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9307	NQR0483-005X	EMI FILTER	100uF 25V Z	
X6250	NAX0580-001X	CXO	27.0000MHz	
X7001	NAX0669-001X	C RESONATOR	6.000MHz	
X7601	NAX0613-001X	C RESONATOR	16.000MHz	

SIDE CONTROL P.W. BOARD ASS'Y (SRA0L011A-M2)

REFER TO PARTS LIST IN PAGE 3-29 FOR THIS P.W. BOARD.

FRONT LED P.W. BOARD ASS'Y (SRA0L111A-M2)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

LAMP COVER P.W. BOARD ASS'Y (SRA0L211A-M2)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

TUNER P.W. BOARD ASS'Y (SRA0R011A-M2)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2203A-M2)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [HD-61G657]

ANALOG P.W. BOARD ASS'Y (SRA-1012A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

DRIVE P.W. BOARD ASS'Y (SRA-3005A-M2)

REFER TO PARTS LIST IN PAGE 3-18 FOR THIS P.W. BOARD.

REMOCON P.W. BOARD ASS'Y (SRA-8011A-M2)

REFER TO PARTS LIST IN PAGE 3-22 FOR THIS P.W. BOARD.

TEMP P.W. BOARD ASS'Y (SRA-8202A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

FAN P.W. BOARD ASS'Y (SRA-8401A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

SD CARD P.W. BOARD ASS'Y (SRA-8511A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (SRA-9011A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

DIGITAL P.W. BOARD ASS'Y (SRA0D017A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC6001	JCC5060	IC		
IC6002	SN74LVC1G08V-X	IC		
IC6101	EDD1232AAFA-6B	IC		
IC6102	LP2996MR-X	IC		
IC6250	UPC5702GS-027-X	IC		
IC6251	R1170H331B-X	IC		
IC6401	ISL98001CQZ-140	IC		
IC6402	R1170H331B-X	IC		
IC6502	THC63LVDM83C-W	IC		
IC6724	S-80928CLNB-G-W	IC		
IC7033	CD74HC4094PW-X	IC		
IC7036	ADC081S021CIS-X	IC		
IC7201	39VF800A7IEKD66	IC(MICRO C ROM)		
IC7203	HY57V161610ETP7	IC		
IC7204	S-80928CLNB-G-W	IC		
IC7205	SN74LV00APW-X	IC		
IC7206	74LVC1G17GW-X	IC		
IC7601	M306V7MG-152FP	IC(MCU)		
IC7602	ATF16-61G647	IC	(SERVICE)	
IC7603	SN74AHCT1G08V-X	IC		
IC7604	SN74LVC1G04V-X	IC		
IC7605	MM1673XN-X	IC		
IC7606	MM1673XN-X	IC		
IC9001	MP2263DN-C053-X	IC		
IC9101	MM1662FT-X	IC		
IC9201	MP2263DN-C053-X	IC		
IC9301	MM1701CH-X	IC		
Q6201	2SA1530A/QR/-X	TRANSISTOR		
Q6202	2SA1530A/QR/-X	TRANSISTOR		
Q6203	2SA1022/BC/-X	TRANSISTOR		
Q6204	2SA1022/BC/-X	TRANSISTOR		
Q6205	2SA1022/BC/-X	TRANSISTOR		
Q6206	2SA1022/BC/-X	TRANSISTOR		
Q6211	2SC3837K/NP/-X	TRANSISTOR		
Q6212	2SC3837K/NP/-X	TRANSISTOR		
Q6213	2SC3837K/NP/-X	TRANSISTOR		
Q6214	2SC3837K/NP/-X	TRANSISTOR		
Q6250	2SC3928A/QR/-X	TRANSISTOR		
Q6251	2SC3928A/QR/-X	TRANSISTOR		
Q7032	RT1P441C-X	DIGI TRANSISTOR		
Q7033	RT1P441C-X	DIGI TRANSISTOR		
Q7034	RT1P441C-X	DIGI TRANSISTOR		
Q7035	RT1P441C-X	DIGI TRANSISTOR		
Q7201	2SC3928A/QR/-X	TRANSISTOR		
Q7501	RT1N441C-X	TRANSISTOR		
Q9501	RT1N441C-X	TRANSISTOR		
Q9502	2SC3928A/QR/-X	TRANSISTOR		
Q9503	2SC3928A/QR/-X	TRANSISTOR		
D7201	RB501V-40-X	SB DIODE		
D7501	1SS355W-X	DIODE		
D7502	1SS355W-X	DIODE		
D7601	1SS355W-X	DIODE		
D9001	EC30HA03L-X	SB DIODE		
D9002	EC30HA03L-X	SB DIODE		
D9003	PTZ3.9B-X	Z DIODE		
D9201	EC30HA03L-X	SB DIODE		
D9202	EC30HA03L-X	SB DIODE		
D9203	PTZ3.9B-X	Z DIODE		
D9204	1SS355W-X	DIODE		
D9501	1SS355W-X	DIODE		
D9502	1SS355W-X	DIODE		
C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6124	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6128	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6130	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6132	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C6133	NCB31CK-154X	C CAPACITOR	0.15uF 16V K	
C6134	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6135	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6139	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6217	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6218	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6239	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6241	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6242	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6243	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6244	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6245	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6246	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6247	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6248	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6249	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6250	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6252	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6253	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6254	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6255	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6260	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6261	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6262	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6263	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6268	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6270	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6271	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6272	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6273	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6274	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6276	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6277	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6278	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6279	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6280	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6282	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6283	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6284	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6285	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6286	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6288	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6289	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6290	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6291	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6293	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6294	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6295	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6296	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6297	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6298	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C6402	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6403	NCB11AK-106X	C CAPACITOR	10uF 10V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C6406	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6409	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6411	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6412	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6413	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6414	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6415	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C6416	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6418	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6419	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6420	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6422	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6423	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6424	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6425	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6428	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6429	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6430	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6431	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6432	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6433	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6434	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6435	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6436	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6437	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6438	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6439	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6440	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6441	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6520	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6523	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6524	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6525	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6571	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6573	NCB21CK-104X	C CAPACITOR	0.1uF 16V K	
C6601	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6610	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6612	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6613	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6614	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6618	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6619	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6620	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6621	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6622	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6624	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6626	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6627	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6628	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6629	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6630	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6631	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6632	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6633	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6634	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6635	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6636	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6637	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6638	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6639	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6640	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6641	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6642	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6643	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6644	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6645	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6654	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6656	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6657	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6658	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6659	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6660	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6661	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6669	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6670	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6677	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6678	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6679	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C6680	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6681	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6682	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6683	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6684	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6685	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6686	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6687	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6688	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6689	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6690	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6691	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6692	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6693	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6694	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6695	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6696	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6697	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6698	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6699	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6701	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C6723	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6724	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C6901	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6903	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6904	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6906	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6907	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6908	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6909	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6911	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6912	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6913	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6914	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6915	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6916	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6917	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6918	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6919	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6921	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6922	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6923	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6924	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6925	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6926	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6927	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6928	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7034	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C7039	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7051	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7053	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7056	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7057	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7058	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7059	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7060	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7061	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7062	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7063	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7064	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7065	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7066	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7067	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7068	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7073	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7208	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7211	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7212	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7213	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7215	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C7216	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7501	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7504	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7505	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7506	NDC31HJ-100X	C CAPACITOR	10pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C7507	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7508	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7510	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7514	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7515	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7516	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7517	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7601	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7604	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7605	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C7606	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7607	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7609	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7610	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7611	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C7612	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7618	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7619	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7620	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7631	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7632	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7633	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C9001	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9003	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9101	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9201	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9206	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9207	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C9208	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9211	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C9301	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9302	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9303	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9304	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9313	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9314	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9501	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C9502	NCB31CK-105X	C CAPACITOR	1uF 16V K	
R6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6009	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6101	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6102	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6103	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6107	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6108	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6110	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6111	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6112	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6113	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6114	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6117	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6118	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6119	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6120	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6127	NRSA63J-1R5X	MG RESISTOR	1.5Ω 1/16W J	
R6141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6235	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6236	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6239	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6242	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6245	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6248	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6249	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6253	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6254	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6255	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6258	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6259	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6261	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6262	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6263	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6266	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R6267	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6268	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6269	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6270	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6271	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6273	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6274	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6275	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6276	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6279	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6280	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6281	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6282	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6283	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6286	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6287	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6288	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6291	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6294	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6295	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6296	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6297	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6299	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6401	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6402	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6403	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6408	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6409	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6410	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6411	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6414	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6415	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6416	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6419	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6421	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6423	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6424	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6425	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6426	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6427	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6428	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6521	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6522	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6523	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6524	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6530	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6569	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6572	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6573	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6575	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6592	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6597	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6607	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6609	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6707	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6730	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6731	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6732	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6733	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6921	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7032	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7040	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7041	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7042	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7064	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7066	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7067	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7081	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7084	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7085	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7086	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7089	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7090	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7092	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7093	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7095	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7097	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7098	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7099	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7131	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7173	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7174	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7175	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7176	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7177	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7184	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7203	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7207	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7211	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7215	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7217	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7225	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7229	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7230	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7231	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7232	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7234	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7235	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7237	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7239	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7240	NQR0199-003X	FERRITE BEADS		
R7241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7349	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7350	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7351	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7370	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7504	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7514	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7515	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7605	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7606	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7607	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7608	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7609	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7612	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7616	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7618	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7619	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7620	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7622	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7624	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7627	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7628	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7631	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R7632	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7634	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R7635	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7646	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7659	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R8781	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8797	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8798	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8799	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R9003	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9004	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9006	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9203	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9306	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9502	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9503	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R9504	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9506	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9509	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RA6001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6007	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6008	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6011	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6102	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6105	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6107	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6108	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6110	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6113	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6115	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6116	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6401	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6402	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6403	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6533	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6534	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA7202	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7203	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7204	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7205	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7503	NQR0271-001X	EMI FILTER		
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7606	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6102	NQL79GM-220X	COIL	22uH M	
L6103	NQL79GM-220X	COIL	22uH M	
L6115	NQR0499-001X	FERRITE BEADS		
L6254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6265	NQR0499-001X	FERRITE BEADS		
L6266	NQR0499-001X	FERRITE BEADS		
L6402	NQL79GM-100X	COIL	10uH M	
L6403	NQL79GM-100X	COIL	10uH M	
L6404	NQL79GM-100X	COIL	10uH M	
L6521	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6522	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6523	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6531	NQR0199-007X	FERRITE BEADS		
L6701	NQR0413-003X	FERRITE BEADS		
L6911	NQR0499-001X	FERRITE BEADS		
L6912	NQR0499-001X	FERRITE BEADS		
L6922	NQL79GM-220X	COIL	22uH M	
L6923	NQL79GM-220X	COIL	22uH M	
L6924	NQL79GM-220X	COIL	22uH M	
L6925	NQL79GM-220X	COIL	22uH M	
L6931	NQR0499-001X	FERRITE BEADS		
L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9001	NQLC8CM-150X	COIL	15uH M	
L9201	NQLC8CM-150X	COIL	15uH M	
CLIP1	NNZ0155-001X	SHIELD CLIP		
CLIP2	NNZ0155-001X	SHIELD CLIP		
CN011	QGF0508F4-50X	CONNECTOR	FFC/FPC (1-50)	
CN012	QGF0508F4-40X	CONNECTOR	FFC/FPC (1-40)	
J8501	NNZ0117-001	CONNECTOR	DIGITAL-IN-2	
K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6261	NQR0489-002X	FERRITE BEADS		
K6263	NQR0489-002X	FERRITE BEADS		
K6264	NQR0489-002X	FERRITE BEADS		
K6265	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6266	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6267	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6268	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6272	NQR0499-001X	FERRITE BEADS		
K6401	NQR0499-001X	FERRITE BEADS		
K6402	NQR0499-001X	FERRITE BEADS		
K6403	NQR0499-001X	FERRITE BEADS		
K6404	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6405	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7032	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7033	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7034	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7501	NQR0413-002X	FERRITE BEADS		
K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7601	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LC7505	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9303	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9305	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9307	NQR0483-005X	EMI FILTER	100uF 25V Z	
X6250	NAX0580-001X	CXO	27.0000MHz	
X7001	NAX0669-001X	C RESONATOR	6.000MHz	
X7601	NAX0613-001X	C RESONATOR	16.000MHz	

SIDE CONTROL P.W. BOARD ASS'Y (SRA0L011A-M2)

REFER TO PARTS LIST IN PAGE 3-29 FOR THIS P.W. BOARD.

FRONT LED P.W. BOARD ASS'Y (SRA0L111A-M2)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

LAMP COVER P.W. BOARD ASS'Y (SRA0L211A-M2)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

TUNER P.W. BOARD ASS'Y (SRA0R011A-M2)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

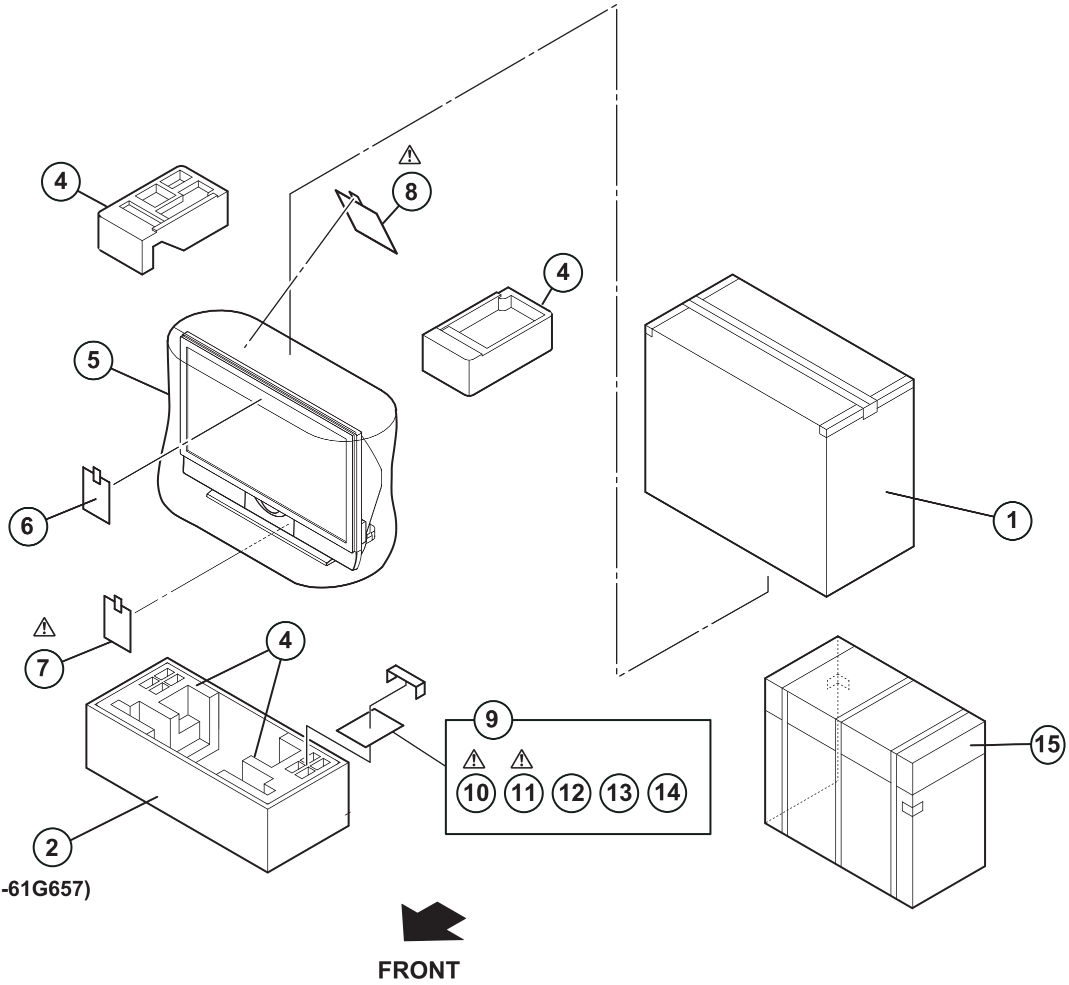
ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2203A-M2)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

REMOTE CONTROL UNIT PARTS LIST (RM-C18G-1H)

⚠	Ref.No.	Part No.	Part Name	Description	Local
		UR77EC1403A	BATTERY COVER		

PACKING



(Only HD-61G657)

PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC12022-001E-A	PACKING CASE	Inc. TOP/BOTTOM CASE	HD-52G657
	1	LC12428-001C-A	PACKING CASE	Inc. TOP/BOTTOM CASE	HD-56G647,HD-56G657
	1	LC12022-002E-A	PACKING CASE		HD-61G657
	2	LC12023-002B-A	PACKING TRAY		HD-61G657
	4	LC12429-001B-A	CUSHION ASSY	4pcs in 1set	HD-52G657
	4	LC12427-001B-A	CUSHION ASSY	4pcs in 1set	HD-56G647,HD-56G657
	4	LC12768-001A-A	CUSHION ASSY	4pcs in 1set	HD-61G657
	5	LC22040-001A-A	POLY BAG		
	6	LCT1910-001A-A	INST BOOK	English	HD-52G657,HD-56G647,HD-56G657
	6	LCT1711-001A-A	INST SHEET		HD-61G657
⚠	7	LCT1728-001B-A	INST SHEET		
⚠	8	LCT1721-001A-A	INST SHEET		
	9	QPA02503505	POLY BAG	25cm x 35cm	
⚠	10	LCT2061-001A-A	INST BOOK	English	
⚠	11	LCT2062-001A-A	INST BOOK	French	
	12	------------	BATTERY	AA TYPE(x2)	
	13	RM-C18G-1H	REMOTE CONTROL UNIT		
	14	BT-51034-2Q	REGIST. CARD		
	15	LC12031-001B-A	TOP CASE		HD-52G657
	15	LC12031-002B-A	TOP CASE		HD-61G657

JVC

SCHEMATIC DIAGRAMS

D-ILA PROJECTION TELEVISION

HD-52G657, HD-56G647, HD-56G657, HD-61G657

CD-ROM No.SML200605

BASIC CHASSIS
RA2

HD-ILA Powered by D-ILA

GENESSA

HDTV

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

MaxxBass®

DCR

DOLBY DIGITAL

[HD-52G657]

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STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2)Setting positions of each knob/button and variable resistor : Original setting position when shipped

(3)Internal resistance of tester : DC 20kΩ/V

(4)Oscilloscope sweeping time
: H ⇒ 20μs / div
: V ⇒ 5ms / div
: Oththers ⇒ Sweeping time is specified

(5)Voltage values : All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- ● In the PW board : R209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit : [Ω]
K : [kΩ]
M : [MΩ]

● Rated allowable power

No indication : 1/16 [W]
Others : As specified

● Type

No indication : Carbon resistor
OMR : Oxide metal film resistor
MFR : Metal film resistor
MPR : Metal plate resistor
UNFR : Uninflammable resistor
FR : Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher : [pF]
less than 1 : [μF]

● Withstand voltage

No indication : DC50[V]
Others : DC withstand voltage [V]
AC indicated : AC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example]: Capacitance value [μF]/withstand voltage[V]

● Type

No indication : Ceramic capacitor
MM : Metalized mylar capacitor
PP : Polypropylene capacitor
MPP : Metalized polypropylene capacitor
MF : Metalized film capacitor
TF : Thin film capacitor
BP : Bipolar electrolytic capacitor
TAN : Tantalum capacitor

(3)Coils

No unit : [μH]
Others : As specified

(4)Power Supply

═══ : B1
▬▬▬▬ : B2 (12V)
▬□▬□ : 9V
□□□□ : 5V

∗Respective voltage values are indicated

(5)Test point

◉ : Test point
○ : Only test point display

(6)Connecting method

▭ : Connector
○ : Wrapping or soldering
→< →⊬ : Receptacle

(7)Ground symbol

⊥ : LIVE side ground
⫫ : ISOLATED(NEUTRAL) side ground
⏚ : EARTH ground
▽ : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⫫) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time.
If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

CONTENTS

SEMICONDUCTOR SHAPES 2-3

WIRING DIAGRAM 2-5

BLOCK DIAGRAM 2-7

CIRCUIT DIAGRAMS

TUNER PWB CIRCUIT DIAGRAM 2-9
ANALOG PWB CIRCUIT DIAGRAM 2-13
DIGITAL PWB CIRCUIT DIAGRAM 2-25
DRIVE PWB CIRCUIT DIAGRAM 2-57
POWER PWB CIRCUIT DIAGRAM 2-71
FRONT LED PWB CIRCUIT DIAGRAM 2-77
TEMP PWB CIRCUIT DIAGRAM 2-78
LAMP COVER PWB CIRCUIT DIAGRAM 2-79
REMOCON PWB CIRCUIT DIAGRAM 2-80
SIDE CONTROL PWB CIRCUIT DIAGRAM 2-81
FAN PWB CIRCUIT DIAGRAM 2-83
SD CARD PWB CIRCUIT DIAGRAM 2-85

PATTERN DIAGRAMS

TUNER PWB PATTERN 2-87
ANALOG PWB PATTERN 2-89
DIGITAL PWB PATTERN 2-93
DRIVE PWB PATTERN 2-97
POWER PWB PATTERN 2-101
FRONT LED PWB PATTERN 2-105
SIDE CONTROL PWB PATTERN 2-105
TEMP PWB PATTERN 2-105
LAMP COVER PWB PATTERN 2-106
REMOCON PWB PATTERN 2-106
FAN PWB PATTERN 2-106
SD CARD PWB PATTERN 2-106

VOLTAGE CHATRS 2-107

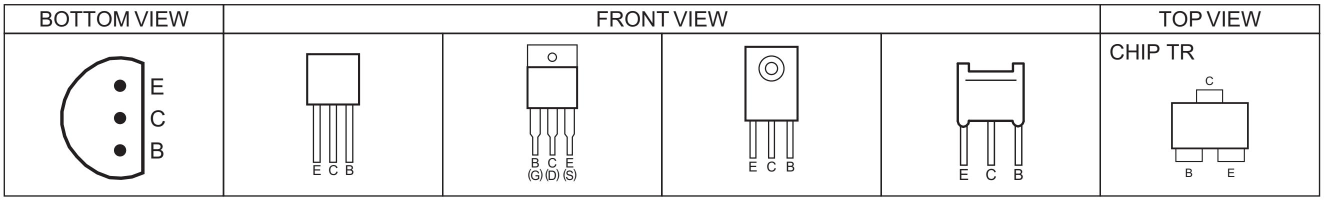
WAVEFORMS 2-109

USING P.W. BOARD

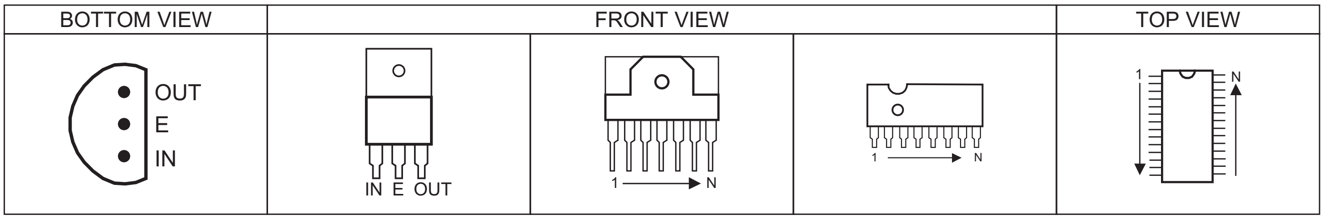
P.W.B ASS'Y name	HD-52G657	HD-56G647	HD-56G657	HD-61G657
ANALOG P.W. BOARD	SRA-1012A-M2	←	←	←
DRIVE P.W. BOARD	SRA-3005A-M2	←	←	←
REMOCON P.W. BOARD	SRA-8011A-M2	←	←	←
TEMP P.W. BOARD	SRA-8202A-M2	←	←	←
FAN P.W. BOARD	SRA-8401A-M2	←	←	←
SD CARD P.W. BOARD	SRA-8511A-M2	←	←	←
POWER P.W. BOARD	SRA-9011A-M2	←	←	←
DIGITAL P.W. BOARD	SRA0D019A-M2	SRA0D021A-M2	SRA0D018A-M2	SRA0D017A-M2
SIDE CONTROL P.W. BOARD	SRA0L011A-M2	←	←	←
FRONT LED P.W. BOARD	SRA0L111A-M2	←	←	←
LAMP COVER P.W. BOARD	SRA0L211A-M2	←	←	←
TUNER P.W. BOARD	SRA0R011A-M2	←	←	←

SEMICONDUCTOR SHAPES

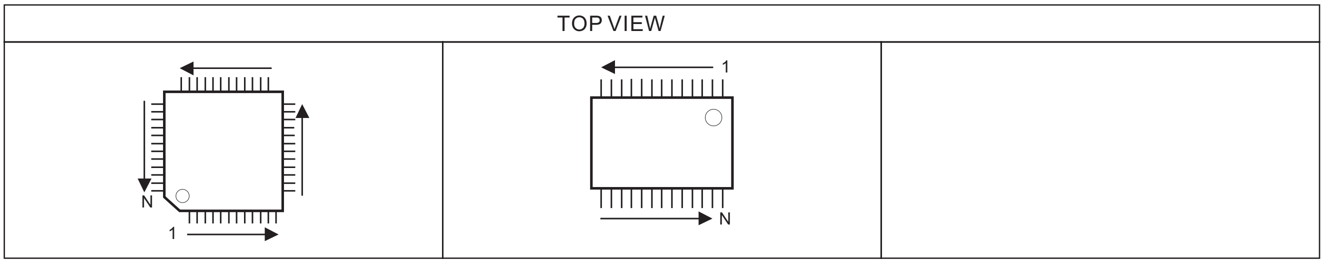
TRANSISTOR


BOTTOM VIEW
FRONT VIEW
TOP VIEW
E
C
B
E C B
B C E
(G) (D) (S)
E C B
E C B
CHIP TR
C
B E

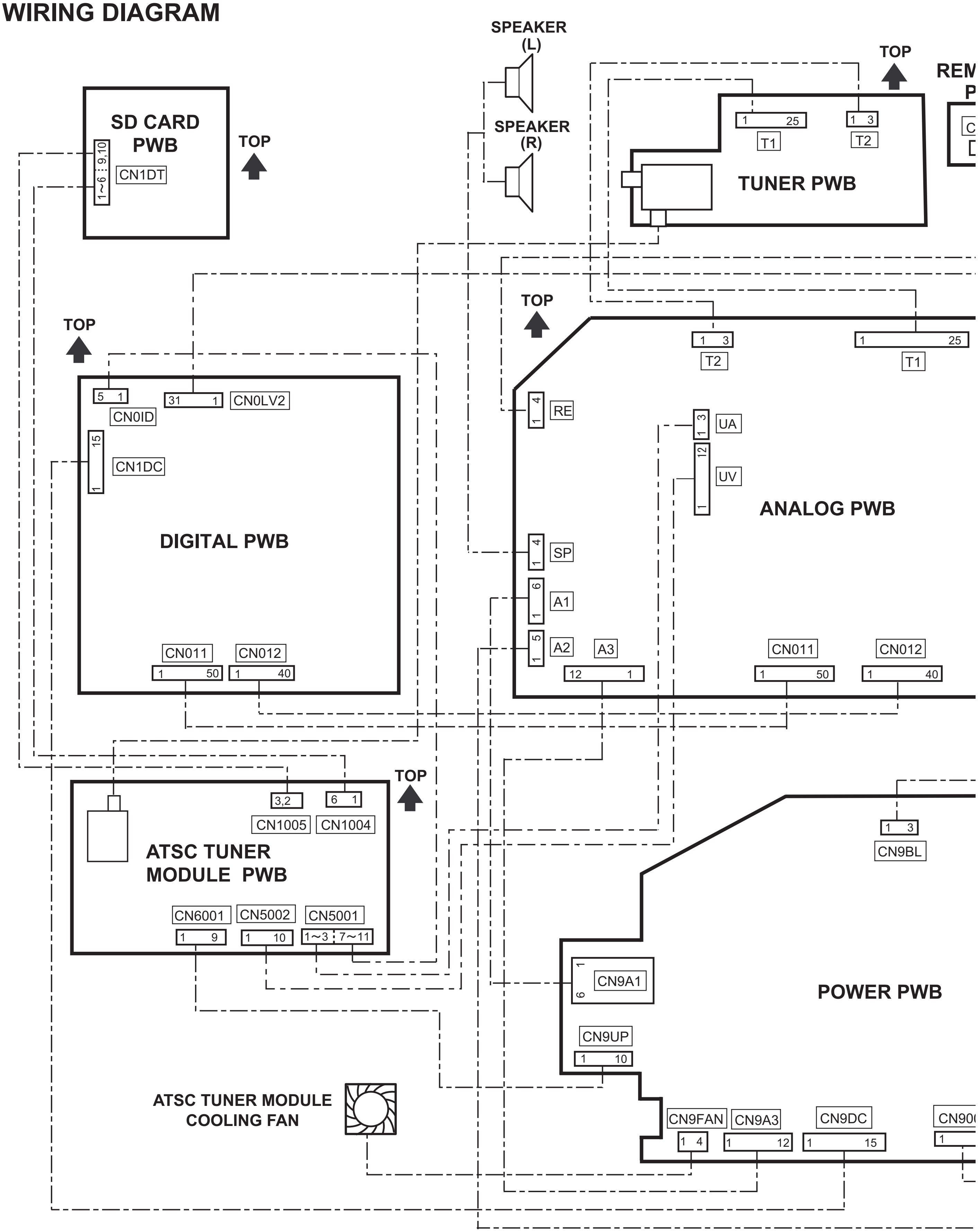
IC

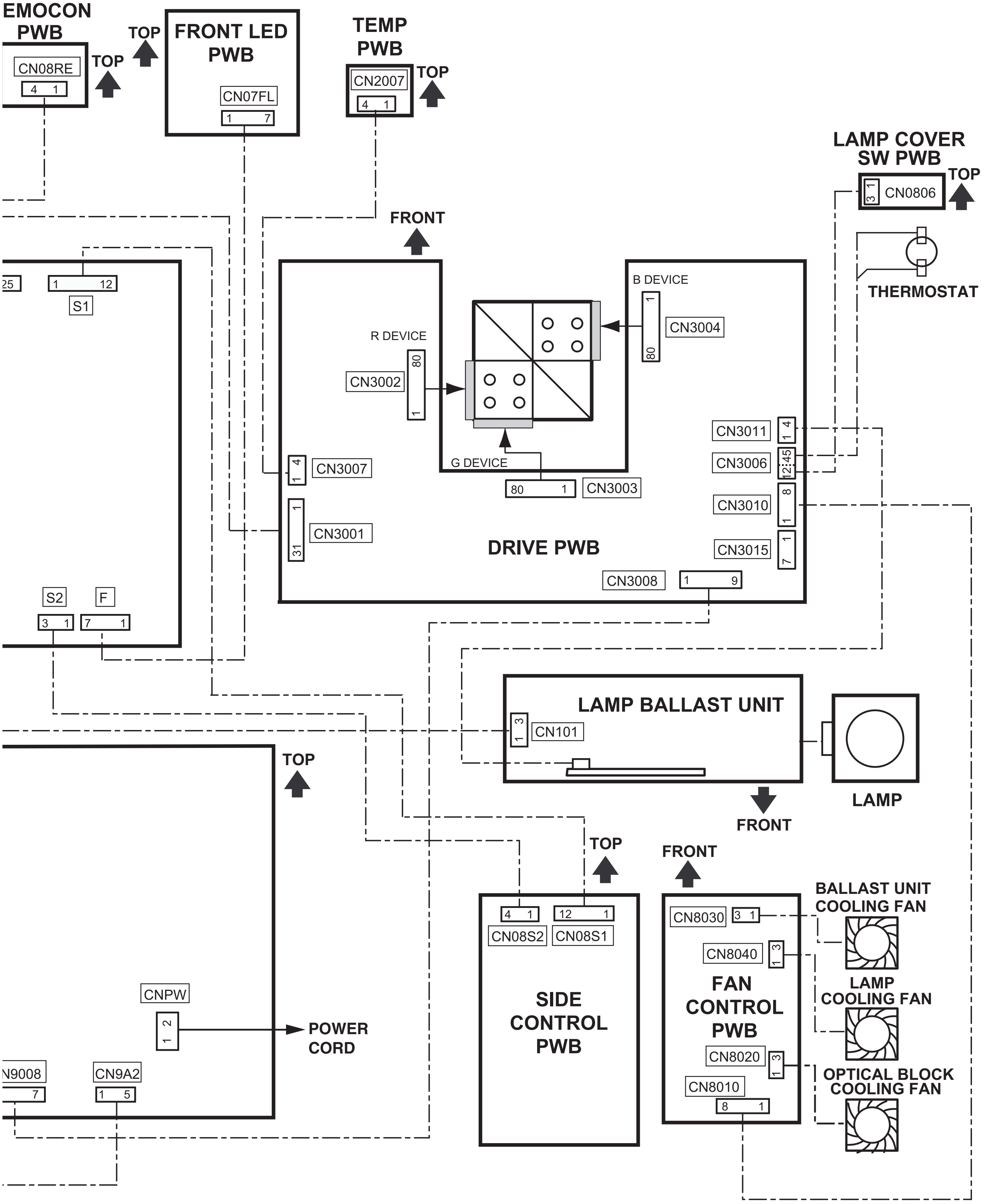

BOTTOM VIEW
FRONT VIEW
TOP VIEW
OUT
E
IN
IN E OUT
1 N
1 N
1
N

CHIP IC

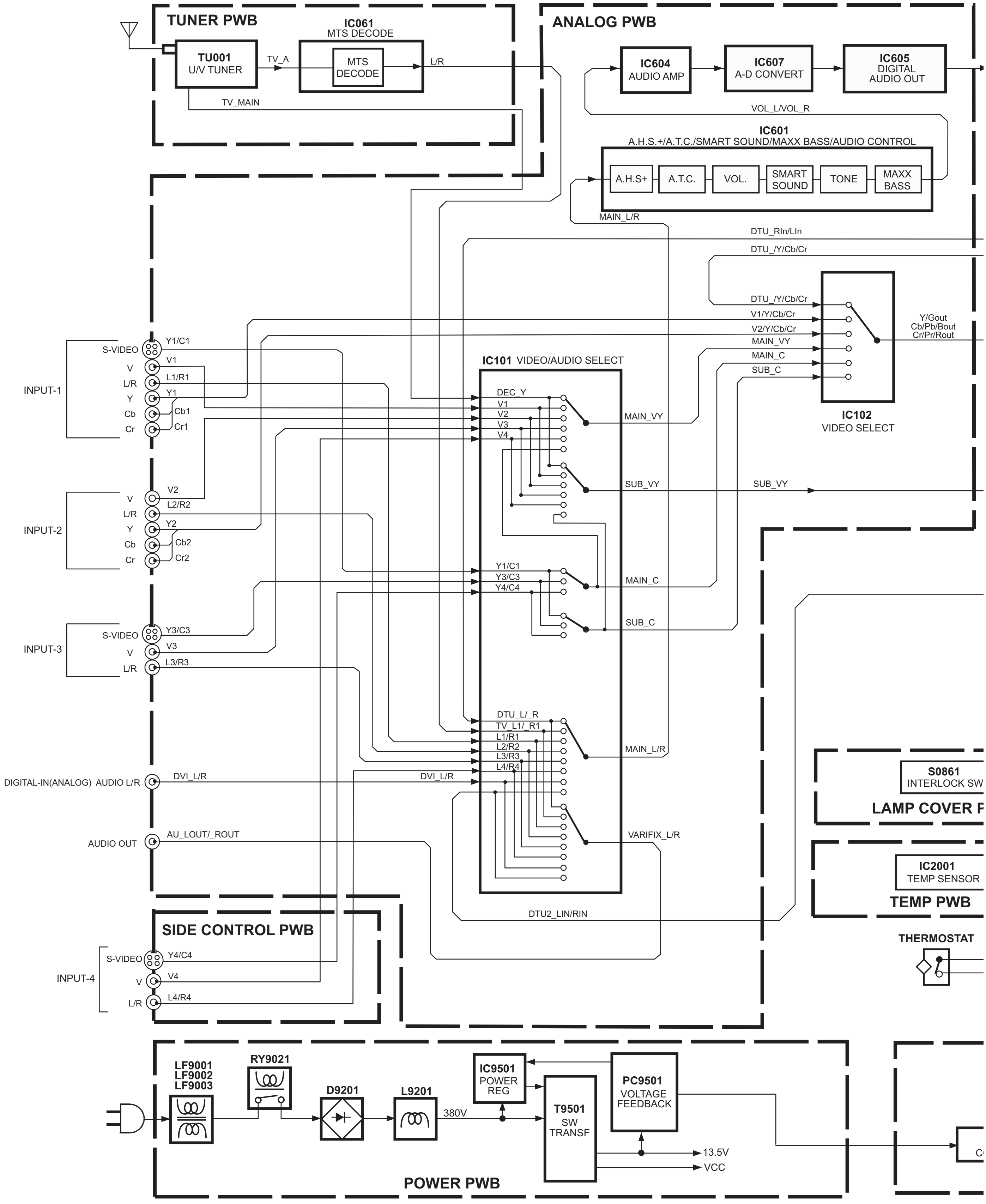

TOP VIEW
N
1
1
N

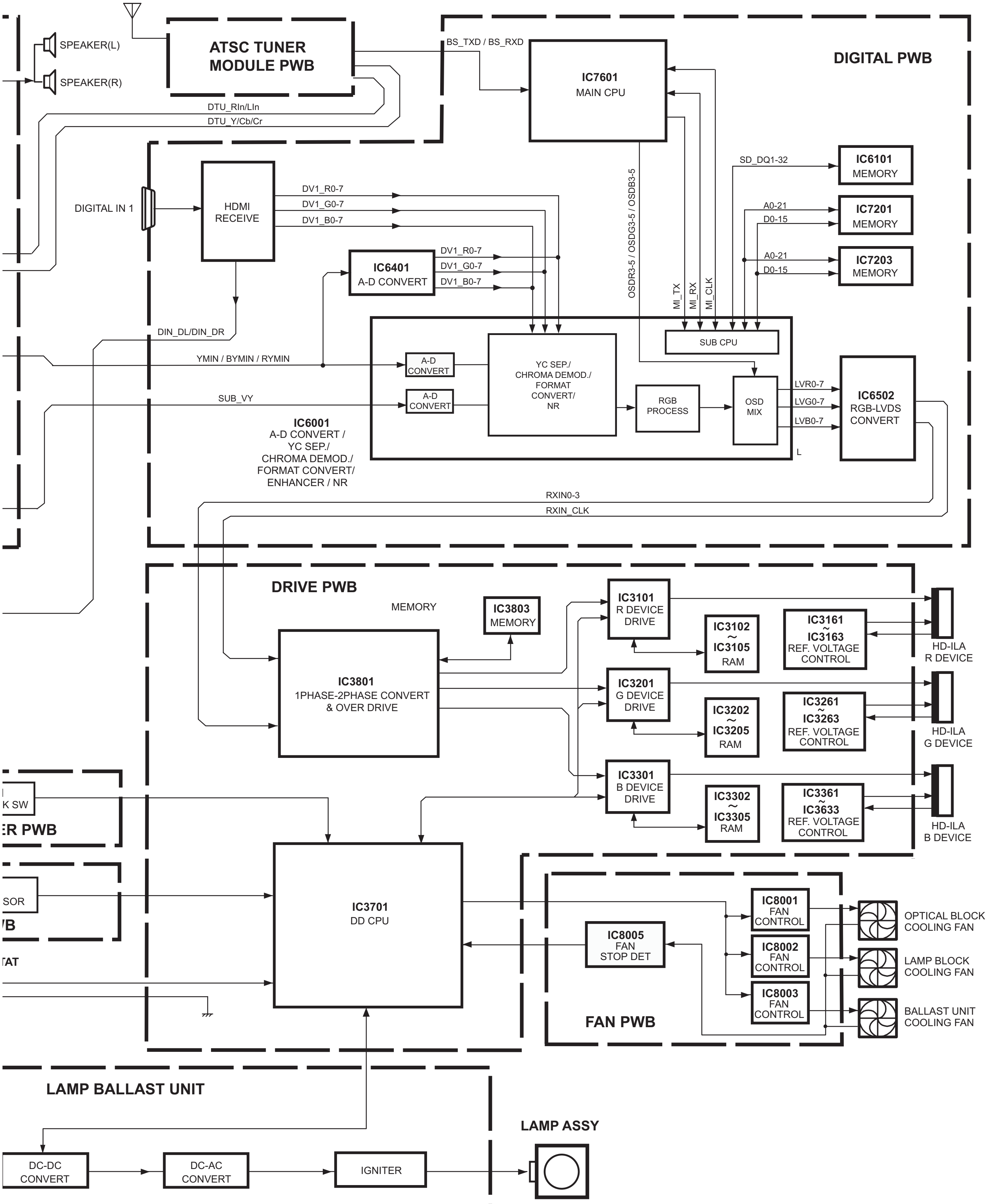
WIRING DIAGRAM


SPEAKER (L)
SPEAKER (R)
TOP
REM
P
C
SD CARD PWB
TOP
1~6
9,10
CN1DT
1
25
T1
1
3
T2
TUNER PWB
TOP
TOP
1
3
T2
1
25
T1
5
1
CN0ID
31
1
CN0LV2
RE
4
1
15
1
CN1DC
UA
3
1
12
1
UV
ANALOG PWB
DIGITAL PWB
SP
4
1
A1
6
1
A2
5
1
A3
12
1
CN011
1
50
CN012
1
40
CN011
1
50
CN012
1
40
TOP
3,2
6
1
CN1005
CN1004
ATSC TUNER MODULE PWB
1
3
CN9BL
CN6001
1
9
CN5002
1
10
CN5001
1~3
7~11
1
6
CN9A1
POWER PWB
CN9UP
1
10
ATSC TUNER MODULE COOLING FAN
CN9FAN
1
4
CN9A3
1
12
CN9DC
1
15
CN90
1


EMOCON PWB
CN08RE
4 1
TOP
TOP
FRONT LED PWB
CN07FL
1 7
TEMP PWB
CN2007
4 1
TOP
LAMP COVER SW PWB
TOP
3 1
CN0806
THERMOSTAT
FRONT
25
1 12
S1
B DEVICE
1
80
CN3004
R DEVICE
80
1
CN3002
G DEVICE
CN3011
1 4
CN3006
12;45
CN3010
8
1
CN3015
1
7
4
1
CN3007
1
31
CN3001
80 1
CN3003
DRIVE PWB
CN3008
1 9
S2
F
3 1
7 1
LAMP BALLAST UNIT
3
1
CN101
LAMP
FRONT
TOP
TOP
FRONT
CNPW
2
1
POWER CORD
N9008
7
CN9A2
1 5
4 1
12 1
CN08S2
CN08S1
SIDE CONTROL PWB
CN8030
3 1
BALLAST UNIT COOLING FAN
CN8040
3
1
FAN CONTROL PWB
LAMP COOLING FAN
CN8020
3
1
OPTICAL BLOCK COOLING FAN
CN8010
8 1

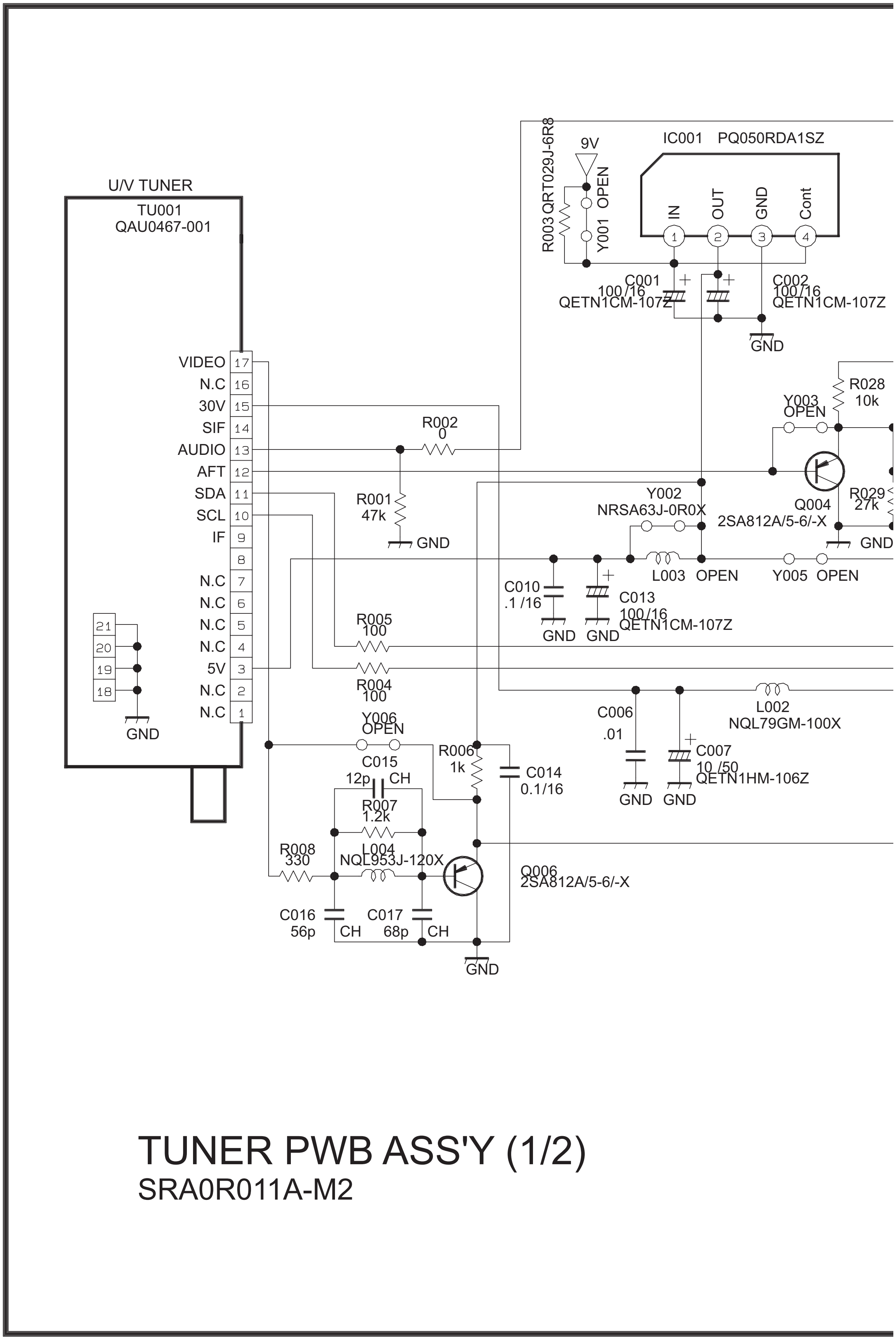
BLOCK DIAGRAM


TUNER PWB
TU001
U/V TUNER
TV_A
IC061
MTS DECODE
MTS
DECODE
L/R
TV_MAIN
ANALOG PWB
IC604
AUDIO AMP
IC607
A-D CONVERT
IC605
DIGITAL
AUDIO OUT
VOL_L/VOL_R
IC601
A.H.S.+/A.T.C./SMART SOUND/MAXX BASS/AUDIO CONTROL
A.H.S+
A.T.C.
VOL.
SMART
SOUND
TONE
MAXX
BASS
MAIN_L/R
DTU_RIn/LIn
DTU_/Y/Cb/Cr
DTU_/Y/Cb/Cr
V1/Y/Cb/Cr
V2/Y/Cb/Cr
MAIN_VY
MAIN_C
SUB_C
Y/Gout
Cb/Pb/Bout
Cr/Pr/Rout
IC102
VIDEO SELECT
IC101 VIDEO/AUDIO SELECT
DEC_Y
V1
V2
V3
V4
MAIN_VY
SUB_VY
SUB_VY
Y1/C1
Y3/C3
Y4/C4
MAIN_C
SUB_C
DTU_L/_R
TV_L1/_R1
L1/R1
L2/R2
L3/R3
L4/R4
MAIN_L/R
DVI_L/R
VARIFIX_L/R
DTU2_LIN/RIN
INPUT-1
S-VIDEO
V
L/R
Y
Cb
Cr
Y1/C1
V1
L1/R1
Y1
Cb1
Cr1
INPUT-2
V
L/R
Y
Cb
Cr
V2
L2/R2
Y2
Cb2
Cr2
INPUT-3
S-VIDEO
V
L/R
Y3/C3
V3
L3/R3
DIGITAL-IN(ANALOG) AUDIO L/R
DVI_L/R
AUDIO OUT
AU_LOUT/_ROUT
SIDE CONTROL PWB
INPUT-4
S-VIDEO
V
L/R
Y4/C4
V4
L4/R4
S0861
INTERLOCK SW
LAMP COVER P
IC2001
TEMP SENSOR
TEMP PWB
THERMOSTAT
LF9001
LF9002
LF9003
RY9021
D9201
L9201
380V
IC9501
POWER
REG
T9501
SW
TRANSF
PC9501
VOLTAGE
FEEDBACK
13.5V
VCC
POWER PWB
C


SPEAKER(L)
SPEAKER(R)
ATSC TUNER MODULE PWB
DTU_RIn/LIn
DTU_Y/Cb/Cr
BS_TXD / BS_RXD
DIGITAL PWB
IC7601
MAIN CPU
OSDR3-5 / OSDG3-5 / OSDB3-5
MI_TX
MI_RX
MI_CLK
SD_DQ1-32
IC6101
MEMORY
A0-21
D0-15
IC7201
MEMORY
A0-21
D0-15
IC7203
MEMORY
DIGITAL IN 1
HDMI RECEIVE
DV1_R0-7
DV1_G0-7
DV1_B0-7
IC6401
A-D CONVERT
DV1_R0-7
DV1_G0-7
DV1_B0-7
DIN_DL/DIN_DR
YMIN / BYMIN / RYMIN
SUB_VY
A-D CONVERT
A-D CONVERT
YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ NR
RGB PROCESS
SUB CPU
OSD MIX
LVR0-7
LVG0-7
LVB0-7
L
IC6502
RGB-LVDS CONVERT
IC6001
A-D CONVERT / YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ ENHANCER / NR
RXIN0-3
RXIN_CLK
DRIVE PWB
MEMORY
IC3803
MEMORY
IC3801
1PHASE-2PHASE CONVERT & OVER DRIVE
IC3101
R DEVICE DRIVE
IC3102 ~ IC3105
RAM
IC3161 ~ IC3163
REF. VOLTAGE CONTROL
HD-ILA R DEVICE
IC3201
G DEVICE DRIVE
IC3202 ~ IC3205
RAM
IC3261 ~ IC3263
REF. VOLTAGE CONTROL
HD-ILA G DEVICE
IC3301
B DEVICE DRIVE
IC3302 ~ IC3305
RAM
IC3361 ~ IC3633
REF. VOLTAGE CONTROL
HD-ILA B DEVICE
K SW
ER PWB
SOR
/B
TAT
IC3701
DD CPU
IC8005
FAN STOP DET
IC8001
FAN CONTROL
IC8002
FAN CONTROL
IC8003
FAN CONTROL
FAN PWB
OPTICAL BLOCK COOLING FAN
LAMP BLOCK COOLING FAN
BALLAST UNIT COOLING FAN
LAMP BALLAST UNIT
DC-DC CONVERT
DC-AC CONVERT
IGNITER
LAMP ASSY

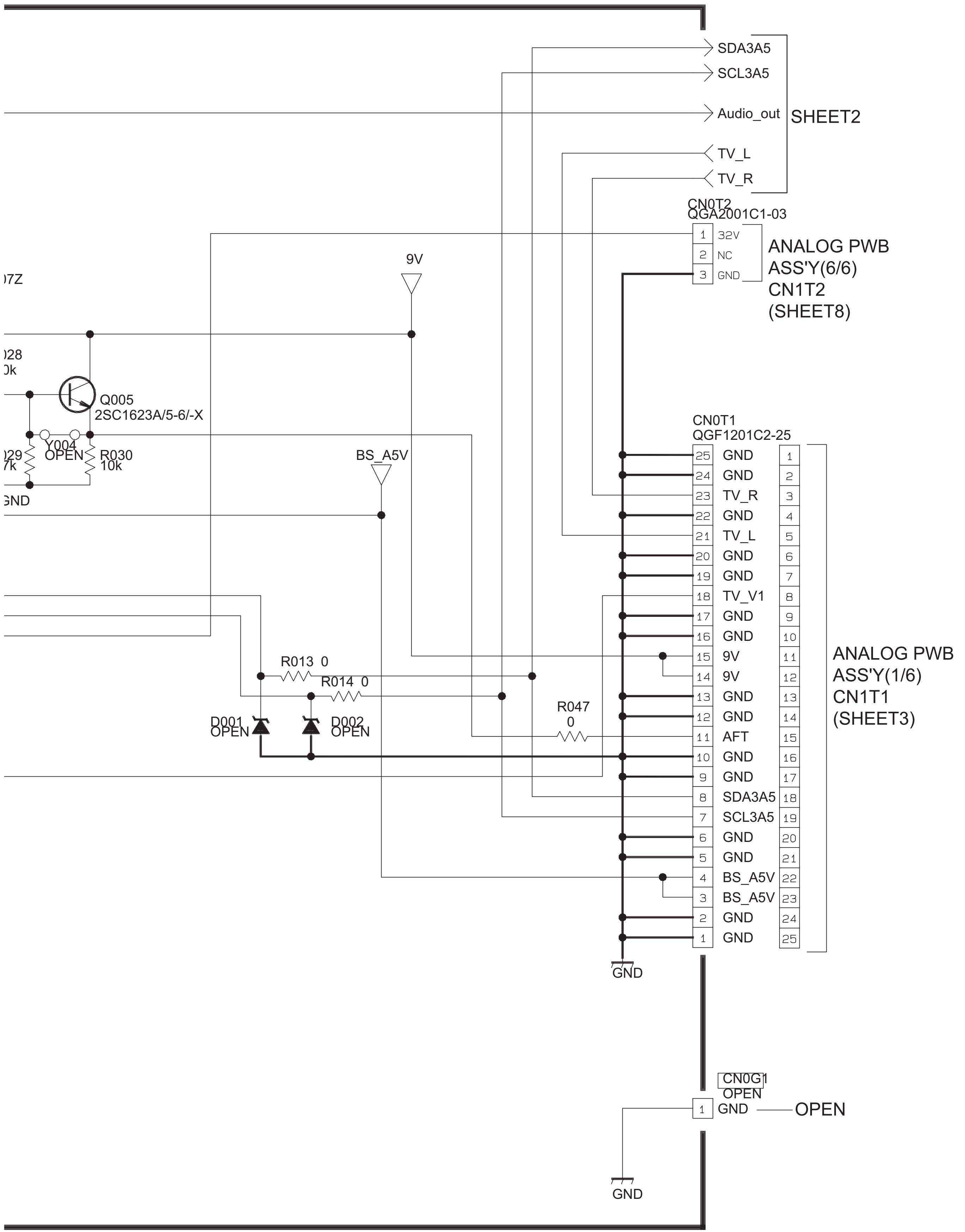
CIRCUIT DIAGRAMS

TUNER PWB CIRCUIT DIAGRAM (1/2) SHEET1


U/V TUNER
TU001
QAU0467-001
VIDEO 17
N.C 16
30V 15
SIF 14
AUDIO 13
AFT 12
SDA 11
SCL 10
IF 9
8
N.C 7
N.C 6
N.C 5
N.C 4
5V 3
N.C 2
N.C 1
21
20
19
18
GND
R003 QRT029J-6R8
9V
Y001 OPEN
IC001 PQ050RDA1SZ
IN
OUT
GND
Cont
1
2
3
4
C001
100/16
QETN1CM-107Z
C002
100/16
QETN1CM-107Z
GND
R028
10k
Y003
OPEN
Q004
2SA812A/5-6/-X
R029
27k
GND
R002
0
R001
47k
GND
Y002
NRSA63J-0R0X
L003 OPEN
Y005 OPEN
C010
.1 /16
C013
100/16
QETN1CM-107Z
GND GND
R005
100
R004
100
C006
.01
L002
NQL79GM-100X
C007
10 /50
QETN1HM-106Z
GND GND
Y006
OPEN
C015
12p CH
R006
1k
C014
0.1/16
R007
1.2k
L004
NQL953J-120X
R008
330
Q006
2SA812A/5-6/-X
C016
56p CH
C017
68p CH
GND

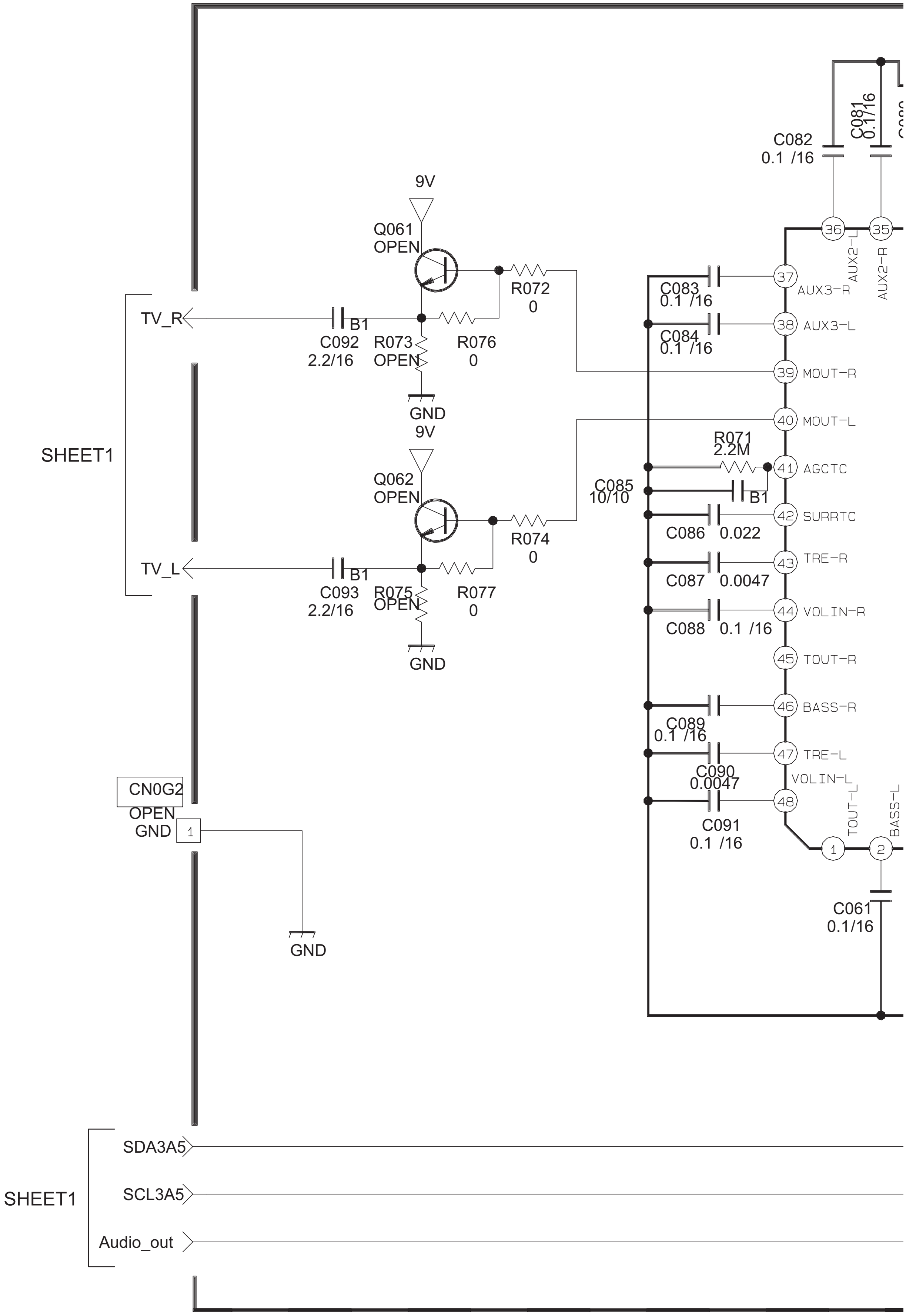
TUNER PWB ASS'Y (1/2)

SRA0R011A-M2

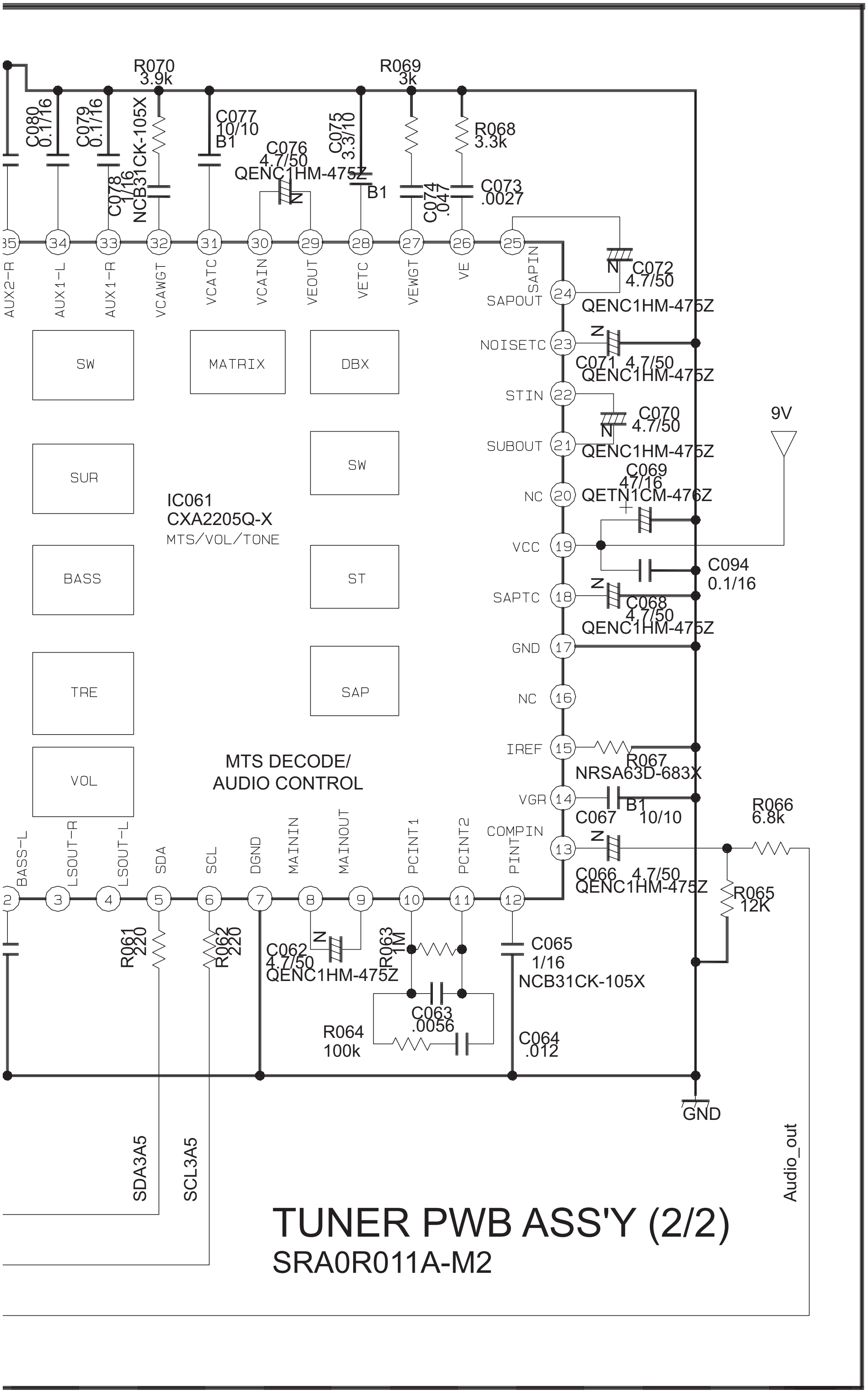


SDA3A5
SCL3A5
Audio_out
SHEET2
TV_L
TV_R
CN0T2
QGA2001C1-03
1 32V
2 NC
3 GND
ANALOG PWB
ASS'Y(6/6)
CN1T2
(SHEET8)
9V
07Z
028
0k
Q005
2SC1623A/5-6/-X
029
7k
Y004
OPEN
R030
10k
GND
BS_A5V
CN0T1
QGF1201C2-25
25 GND 1
24 GND 2
23 TV_R 3
22 GND 4
21 TV_L 5
20 GND 6
19 GND 7
18 TV_V1 8
17 GND 9
16 GND 10
15 9V 11
14 9V 12
13 GND 13
12 GND 14
11 AFT 15
10 GND 16
9 GND 17
8 SDA3A5 18
7 SCL3A5 19
6 GND 20
5 GND 21
4 BS_A5V 22
3 BS_A5V 23
2 GND 24
1 GND 25
ANALOG PWB
ASS'Y(1/6)
CN1T1
(SHEET3)
R013 0
R014 0
R047
0
D001
OPEN
D002
OPEN
GND
CN0G1
OPEN
1 GND
OPEN
GND

TUNER PWB CIRCUIT DIAGRAM (2/2) SHEET2



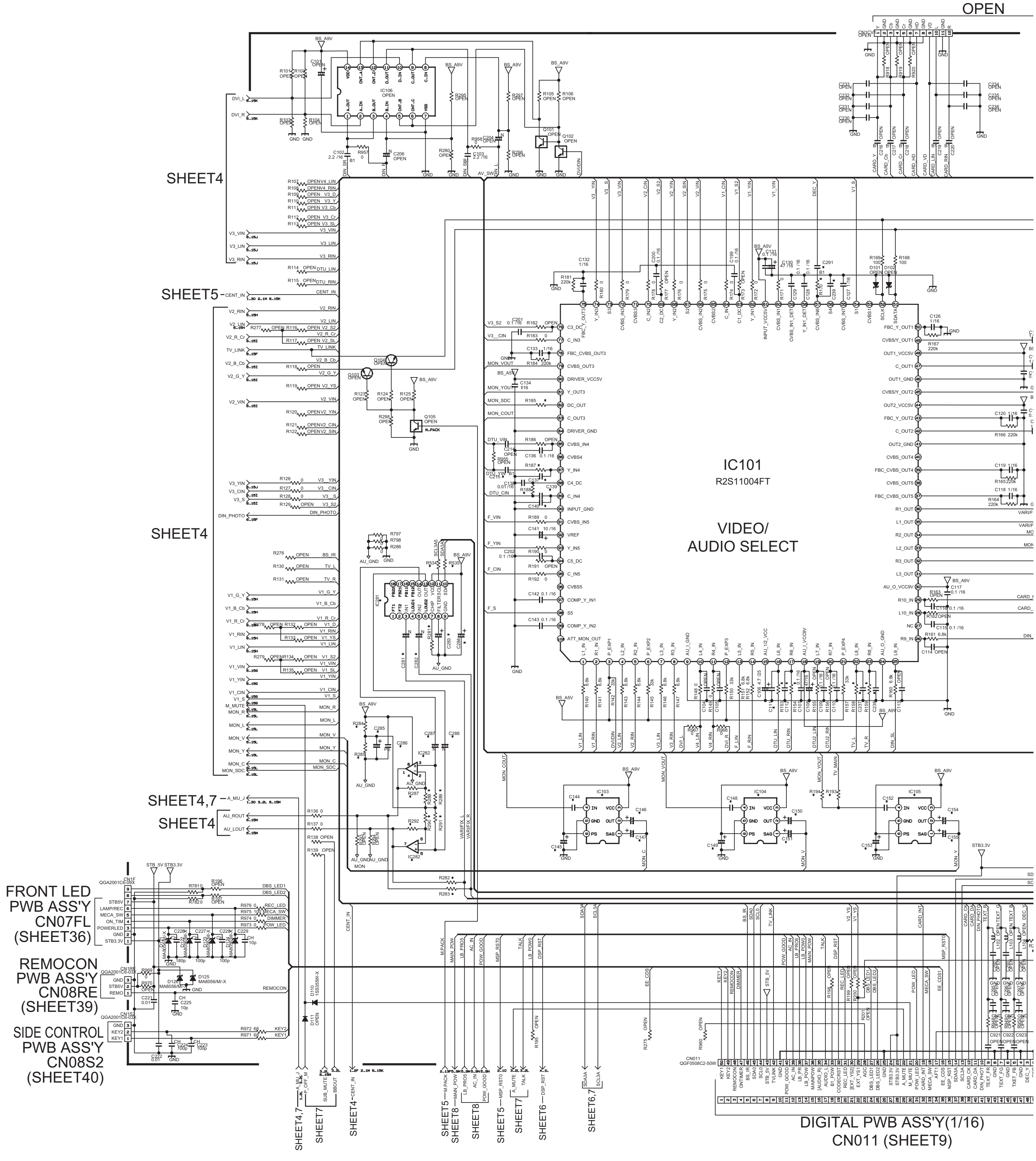
9V
Q061
OPEN
R072
0
TV_R
B1
C092
2.2/16
R073
OPEN
R076
0
GND
9V
Q062
OPEN
R074
0
TV_L
B1
C093
2.2/16
R075
OPEN
R077
0
GND
SHEET1
CN0G2
OPEN
GND
1
GND
C082
0.1 /16
C081
0.1/16
36
35
AUX2-L
AUX2-R
37
AUX3-R
C083
0.1 /16
38
AUX3-L
C084
0.1 /16
39
MOUT-R
40
MOUT-L
R071
2.2M
41
AGCTC
C085
10/10
B1
42
SURRTC
C086
0.022
43
TRE-R
C087
0.0047
44
VOLIN-R
C088
0.1 /16
45
TOUT-R
46
BASS-R
C089
0.1 /16
47
TRE-L
C090
0.0047
VOLIN-L
48
C091
0.1 /16
1
TOUT-L
2
BASS-L
C061
0.1/16
SHEET1
SDA3A5
SCL3A5
Audio_out


R070
3.9k
R069
3k
C080
0.1/16
C079
0.1/16
NCB31CK-105X
C078
1/16
C077
10/10
B1
C076
4.7/50
QENC1HM-475Z
N
C075
3.3/10
B1
R068
3.3k
C074
.047
C073
.0027
35
34
33
32
31
30
29
28
27
26
25
AUX2-R
AUX1-L
AUX1-R
VCAWGT
VCATC
VCAIN
VEOUT
VETC
VEWGT
VE
SAPIN
SAPOUT
24
N
C072
4.7/50
QENC1HM-475Z
NOISETC
23
C071 4.7/50
QENC1HM-475Z
STIN
22
C070
4.7/50
QENC1HM-475Z
SUBOUT
21
9V
C069
47/16
QETN1CM-476Z
NC
20
VCC
19
C094
0.1/16
SAPTC
18
C068
4.7/50
QENC1HM-475Z
GND
17
NC
16
IREF
15
R067
NRSA63D-683X
VGR
14
B1
C067
10/10
COMPIN
13
R066
6.8k
C066 4.7/50
QENC1HM-475Z
R065
12K
SW
MATRIX
DBX
SUR
SW
IC061
CXA2205Q-X
MTS/VOL/TONE
BASS
ST
TRE
SAP
VOL
MTS DECODE/
AUDIO CONTROL
BASS-L
LSOUT-R
LSOUT-L
SDA
SCL
DGND
MAININ
MAINOUT
PCINT1
PCINT2
PINT
2
3
4
5
6
7
8
9
10
11
12
R061
220
R062
220
C062
4.7/50
QENC1HM-475Z
R063
1M
C065
1/16
NCB31CK-105X
C063
.0056
R064
100k
C064
.012
GND
SDA3A5
SCL3A5
Audio_out

TUNER PWB ASS'Y (2/2)

SRA0R011A-M2

ANALOG PWB CIRCUIT DIAGRAM (1/6) SHEET 3



			MONITOR OUT					
	HD-61G887A HD-56G887A HD-52G887A	HD-61G657A HD-56G657A HD-52G657A	HD-61G587A HD-52G587A	HD-61G567A HD-52G567A	HD-70FH97A HD-61FH97A HD-56FH97A HD-52FH97A	HD-70FN97A HD-61FN97A HD-56FN97A HD-52FN97A	HD-61FC97A HD-56FC97A	HD-56FN97A
	OLLC09896	OLLC10118	OLLC10118 -02		OLLC10494	OLLC10494 -02		
IC103	OPEN	OPEN	OPEN	OPEN	MM1510XN-X	MM1510XN-X	MM1510XN-X	OPEN
IC104	OPEN	OPEN	OPEN	OPEN	MM1510XN-X	MM1510XN-X	MM1510XN-X	OPEN
IC105	OPEN	OPEN	OPEN	OPEN	MM1510XN-X	MM1510XN-X	MM1510XN-X	OPEN
C144	OPEN	OPEN	OPEN	OPEN	1/16	1/16	1/16	OPEN
C145	OPEN	OPEN	OPEN	OPEN	10/16	10/16	10/16	OPEN
C146	OPEN	OPEN	OPEN	OPEN	100/10	100/10	100/10	OPEN
C147	OPEN	OPEN	OPEN	OPEN	10/16	10/16	10/16	OPEN
C148	OPEN	OPEN	OPEN	OPEN	1/16	1/16	1/16	OPEN
C149	OPEN	OPEN	OPEN	OPEN	10/16	10/16	10/16	OPEN
C150	OPEN	OPEN	OPEN	OPEN	100/10	100/10	100/10	OPEN
C151	OPEN	OPEN	OPEN	OPEN	10/16	10/16	10/16	OPEN
C152	OPEN	OPEN	OPEN	OPEN	1/16	1/16	1/16	OPEN
C153	OPEN	OPEN	OPEN	OPEN	10/16	10/16	10/16	OPEN
C154	OPEN	OPEN	OPEN	OPEN	100/10	100/10	100/10	OPEN
C155	OPEN	OPEN	OPEN	OPEN	10/16	10/16	10/16	OPEN
R185	OPEN	OPEN	OPEN	OPEN	0	0	0	OPEN
R194	OPEN	OPEN	OPEN	OPEN	0	0	0	OPEN

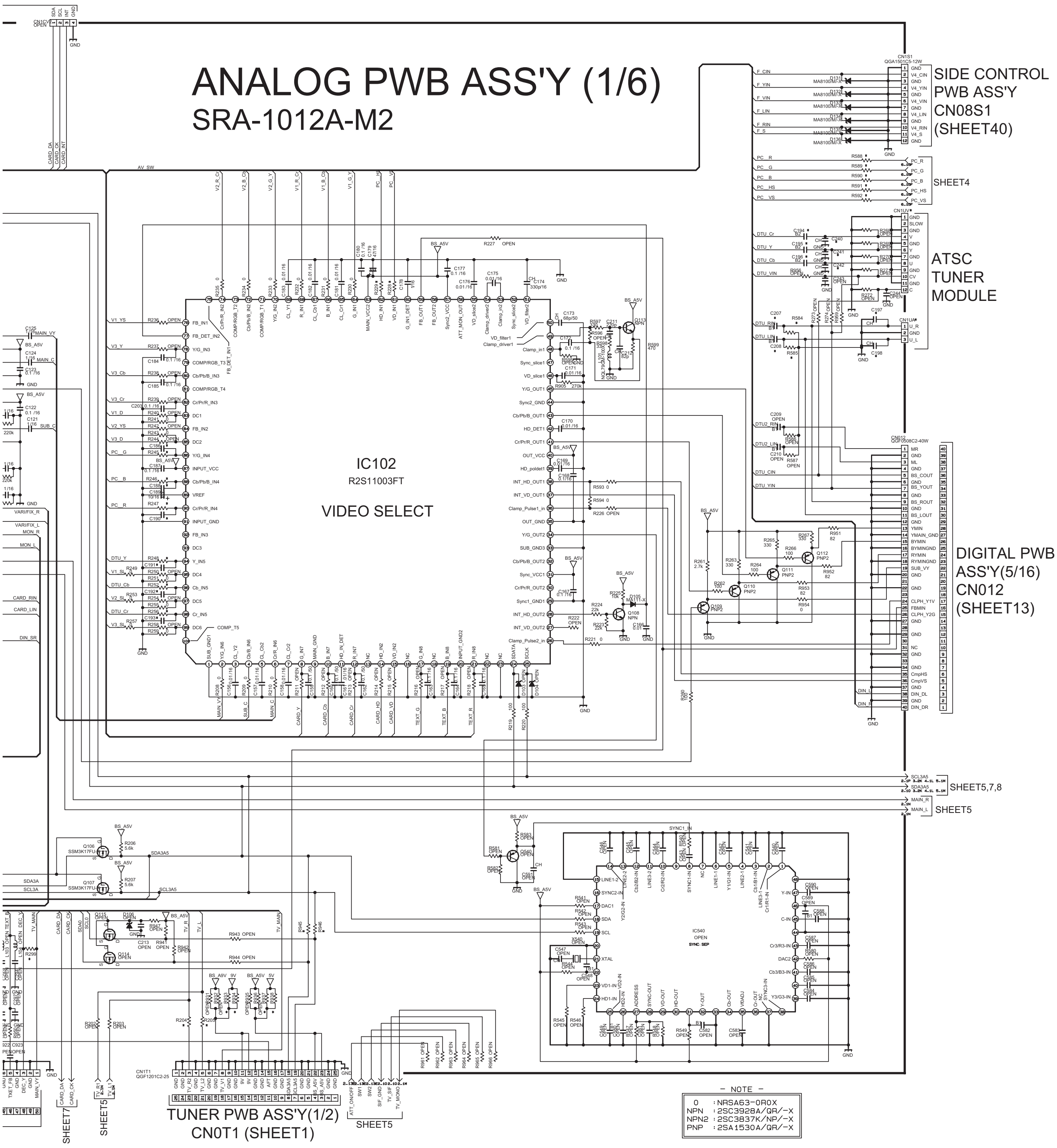
			VARIABLE AUDIO					
	HD-61G887A HD-56G887A HD-52G887A	HD-61G657A HD-56G657A HD-52G657A	HD-61G587A HD-52G587A	HD-61G567A HD-52G567A	HD-70FH97A HD-61FH97A HD-56FH97A HD-52FH97A	HD-70FN97A HD-61FN97A HD-56FN97A HD-52FN97A	HD-61FC97A HD-56FC97A	HD-56FN97A
	OLLC09896	OLLC10118	OLLC10118 -02		OLLC10494	OLLC10494 -02		
IC281	OPEN	OPEN	OPEN	OPEN	BD3869AF-X	BD3869AF-X	OPEN	OPEN
IC282	OPEN	OPEN	OPEN	OPEN	RC4558D-X	RC4558D-X	OPEN	OPEN
R281	OPEN	OPEN	OPEN	OPEN	0	0	OPEN	OPEN
R282	0	0	0	0	OPEN	OPEN	0	0
R283	0	0	0	0	OPEN	OPEN	0	0
R284	OPEN	OPEN	OPEN	OPEN	4.7k	4.7k	OPEN	OPEN
R285	OPEN	OPEN	OPEN	OPEN	4.7k	4.7k	OPEN	OPEN
R287	OPEN	OPEN	OPEN	OPEN	15k	15k	OPEN	OPEN
R288	OPEN	OPEN	OPEN	OPEN	15k	15k	OPEN	OPEN
R289	OPEN	OPEN	OPEN	OPEN	10k	10k	OPEN	OPEN
R290	OPEN	OPEN	OPEN	OPEN	15k	15k	OPEN	OPEN
R291	OPEN	OPEN	OPEN	OPEN	10k	10k	OPEN	OPEN
R292	OPEN	OPEN	OPEN	OPEN	15k	15k	OPEN	OPEN
R534	OPEN	OPEN	OPEN	OPEN	100	100	OPEN	OPEN
R535	OPEN	OPEN	OPEN	OPEN	100	100	OPEN	OPEN

			VARIABLE AUDIO					
	HD-61G887A HD-56G887A HD-52G887A	HD-61G657A HD-56G657A HD-52G657A	HD-61G587A HD-52G587A	HD-61G567A HD-52G567A	HD-70FH97A HD-61FH97A HD-56FH97A HD-52FH97A	HD-70FN97A HD-61FN97A HD-56FN97A HD-52FN97A	HD-61FC97A HD-56FC97A	HD-56FN97A
	OLLC09896	OLLC10118	OLLC10118 -02		OLLC10494	OLLC10494 -02		
C281	OPEN	OPEN	OPEN	OPEN	4.7/16	4.7/16	OPEN	OPEN
C282	OPEN	OPEN	OPEN	OPEN	4.7/16	4.7/16	OPEN	OPEN
C283	OPEN	OPEN	OPEN	OPEN	22/25	22/25	OPEN	OPEN
C284	OPEN	OPEN	OPEN	OPEN	100/16	100/16	OPEN	OPEN
C285	OPEN	OPEN	OPEN	OPEN	47/16	47/16	OPEN	OPEN
C286	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16	OPEN	OPEN
C287	OPEN	OPEN	OPEN	OPEN	4.7/16	4.7/16	OPEN	OPEN
C288	OPEN	OPEN	OPEN	OPEN	4.7/16	4.7/16	OPEN	OPEN

			PC IN					
	HD-61G887A HD-56G887A HD-52G887A	HD-61G657A HD-56G657A HD-52G657A	HD-61G587A HD-52G587A	HD-61G567A HD-52G567A	HD-70FH97A HD-61FH97A HD-56FH97A HD-52FH97A	HD-70FN97A HD-61FN97A HD-56FN97A HD-52FN97A	HD-61FC97A HD-56FC97A	HD-56FN97A
	OLLC09896	OLLC10118	OLLC10118 -02		OLLC10494	OLLC10494 -02		
R228	0	OPEN	0	OPEN	0	0	OPEN	0
R229	0	OPEN	0	OPEN	0	0	OPEN	0
R245	0	OPEN	0	OPEN	0	0	OPEN	0
R246	0	OPEN	0	OPEN	0	0	OPEN	0
R247	0	OPEN	0	OPEN	0	0	OPEN	0
R588	0	OPEN	0	OPEN	0	0	OPEN	0
R589	0	OPEN	0	OPEN	0	0	OPEN	0
R590	0	OPEN	0	OPEN	0	0	OPEN	0
R591	0	OPEN	0	OPEN	0	0	OPEN	0
R592	0	OPEN	0	OPEN	0	0	OPEN	0
C186	OPEN	0.1/16	OPEN	0.1/16	OPEN	OPEN	0.1/16	OPEN
C188	OPEN	0.1/16	OPEN	0.1/16	OPEN	OPEN	0.1/16	OPEN
C190	OPEN	0.1/16	OPEN	0.1/16	OPEN	OPEN	0.1/16	OPEN

ANALOG PWB ASS'Y (1/6)

SRA-1012A-M2


IC102
R2S11003FT
VIDEO SELECT
IC540
SYNC SEP
SIDE CONTROL PWB ASS'Y CN08S1 (SHEET40)
SHEET4
ATSC TUNER MODULE
DIGITAL PWB ASS'Y(5/16) CN012 (SHEET13)
SHEET5,7,8
SHEET5
TUNER PWB ASS'Y(1/2) CN0T1 (SHEET1)
SHEET7
SHEET5

- NOTE -

0 : NRSA63-0R0X
NPN : 2SC3928A/QR/-X
NPN2 : 2SC3837K/NP/-X
PNP : 2SA1530A/QR/-X

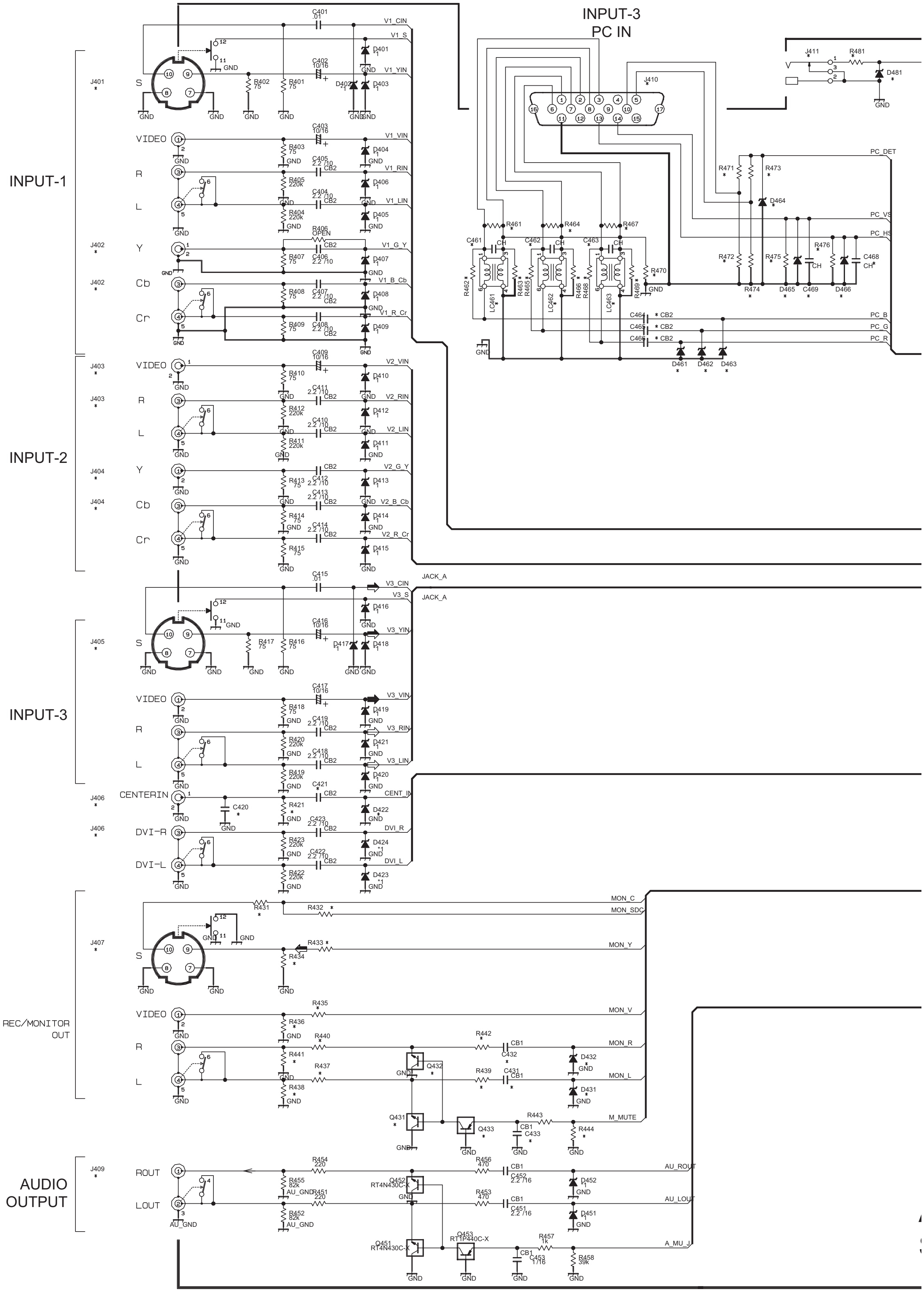
	DIGITAL TUNER							
	HD-61G887A HD-56G887A HD-52G887A	HD-61G657A HD-56G657A HD-52G657A	HD-61G587A HD-52G587A	HD-61G567A HD-52G567A	HD-70FH97A HD-61FH97A HD-56FH97A HD-52FH97A	HD-70FN97A HD-61FN97A HD-56FN97A HD-52FN97A	HD-61FC97A HD-56FC97A	HD-56FM97A
	OLLC09896	OLLC10118	OLLC10118 -02		OLLC10494	OLLC10494 -02		
CNUV	QGA2001C6-12X	QGA2001C6-12X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
CNUA	QGA2001C6-03X	QGA2001C6-03X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R153	6.8k	6.8k	OPEN	OPEN	6.8k	6.8k	6.8k	OPEN
R154	6.8k	6.8k	OPEN	OPEN	6.8k	6.8k	6.8k	OPEN
R248	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R252	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R256	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R584	10k	10k	OPEN	OPEN	10k	10k	10k	OPEN
R585	10k	10k	OPEN	OPEN	10k	10k	10k	OPEN
C111	OPEN	OPEN	0.1/16	0.1/16	OPEN	OPEN	OPEN	0.1/16
C112	OPEN	OPEN	0.1/16	0.1/16	OPEN	OPEN	OPEN	0.1/16
C191	OPEN	OPEN	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16
C192	OPEN	OPEN	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16
C193	OPEN	OPEN	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16
C194	2.2/10	2.2/10	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C195	2.2/10	2.2/10	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C196	2.2/10	2.2/10	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C207	2.2/16	2.2/16	OPEN	OPEN	2.2/16	2.2/16	2.2/16	OPEN
C208	2.2/16	2.2/16	OPEN	OPEN	2.2/16	2.2/16	2.2/16	OPEN

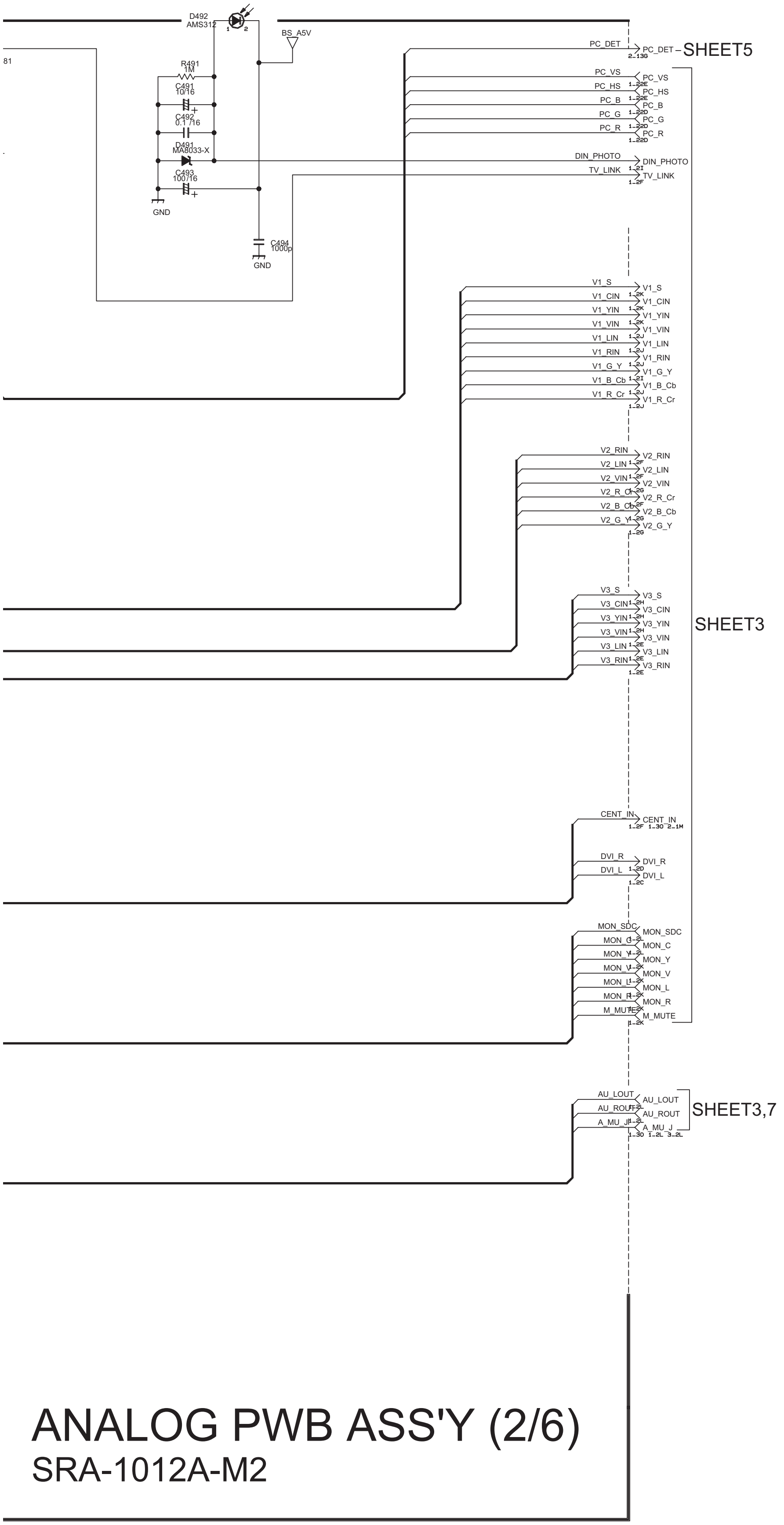
	DIGITAL TUNER							
	HD-61G887A HD-56G887A HD-52G887A	HD-61G657A HD-56G657A HD-52G657A	HD-61G587A HD-52G587A	HD-61G567A HD-52G567A	HD-70FH97A HD-61FH97A HD-56FH97A HD-52FH97A	HD-70FN97A HD-61FN97A HD-56FN97A HD-52FN97A	HD-61FC97A HD-56FC97A	HD-56FM97A
	OLLC09896	OLLC10118	OLLC10118 -02		OLLC10494	OLLC10494 -02		
R187	OPEN	OPEN	OPEN	OPEN	0	0	0	OPEN
R188	OPEN	OPEN	OPEN	OPEN	10k	10k	10k	OPEN
C215	OPEN	OPEN	OPEN	OPEN	10/10	10/10	10/10	OPEN
C137	0.1/16	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	0.1/16
C139	OPEN	OPEN	OPEN	OPEN	1/16	1/16	1/16	OPEN
C140	0.1/16	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	0.1/16
C240	10p	10p	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C241	10p	10p	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C242	10p	10p	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C197	100p	100p	OPEN	100p	OPEN	OPEN	OPEN	OPEN
C198	100p	100p	OPEN	100p	OPEN	OPEN	OPEN	OPEN

	ANALOG TUNER							
	HD-61G887A HD-56G887A HD-52G887A	HD-61G657A HD-56G657A HD-52G657A	HD-61G587A HD-52G587A	HD-61G567A HD-52G567A	HD-70FH97A HD-61FH97A HD-56FH97A HD-52FH97A	HD-70FN97A HD-61FN97A HD-56FN97A HD-52FN97A	HD-61FC97A HD-56FC97A	HD-56FM97A
	OLLC09896	OLLC10118	OLLC10118 -02		OLLC10494	OLLC10494 -02		
R158	6.8k	6.8k	OPEN	6.8k	6.8k	6.8k	6.8k	OPEN
R159	6.8k	6.8k	OPEN	6.8k	6.8k	6.8k	6.8k	OPEN
R170	0	0	OPEN	0	0	0	0	OPEN
R204	0	0	OPEN	0	0	0	0	OPEN
R205	0	0	OPEN	0	0	0	0	OPEN
R299	0	0	OPEN	0	0	0	0	OPEN
R933	0	0	OPEN	0	0	0	0	OPEN
R934	0	0	OPEN	0	0	0	0	OPEN
R937	0	0	OPEN	0	0	0	0	OPEN
R938	0	0	OPEN	0	0	0	0	OPEN
R945	0	0	OPEN	0	0	0	0	OPEN
R946	0	0	OPEN	0	0	0	0	OPEN
C237	OPEN	OPEN	0.1/16	OPEN	OPEN	OPEN	OPEN	0.1/16
C238	OPEN	OPEN	0.1/16	OPEN	OPEN	OPEN	OPEN	0.1/16
C239	OPEN	OPEN	0.1/16	OPEN	OPEN	OPEN	OPEN	0.1/16
C291	10/10	10/10	OPEN	10/10	10/10	10/10	10/10	OPEN

c10447001_0214_1/6_0.0

ANALOG PWB CIRCUIT DIAGRAM (2/6) SHEET 4


INPUT-3
PC IN
INPUT-1
INPUT-2
INPUT-3
REC/MONITOR
OUT
AUDIO
OUTPUT
J401
J402
J403
J404
J405
J406
J407
J409
J410
J411
S
VIDEO
R
L
Y
Cb
Cr
CENTERIN
DVI-R
DVI-L
ROUT
LOUT
V1_CIN
V1_S
V1_YIN
V1_VIN
V1_RIN
V1_LIN
V1_G_Y
V1_B_Cb
V1_R_Cr
V2_VIN
V2_RIN
V2_LIN
V2_G_Y
V2_B_Cb
V2_R_Cr
V3_CIN
V3_S
V3_YIN
V3_VIN
V3_RIN
V3_LIN
CENT_IN
DVI_R
DVI_L
JACK_A
PC_DET
PC_VS
PC_HS
PC_B
PC_G
PC_R
MON_C
MON_SDC
MON_Y
MON_V
MON_R
MON_L
M_MUTE
AU_ROUT
AU_LOUT
A_MU_J
RT4N430C-X
RT1P440C-X
AU_GND
GND



ANALOG PWB ASS'Y (2/6)

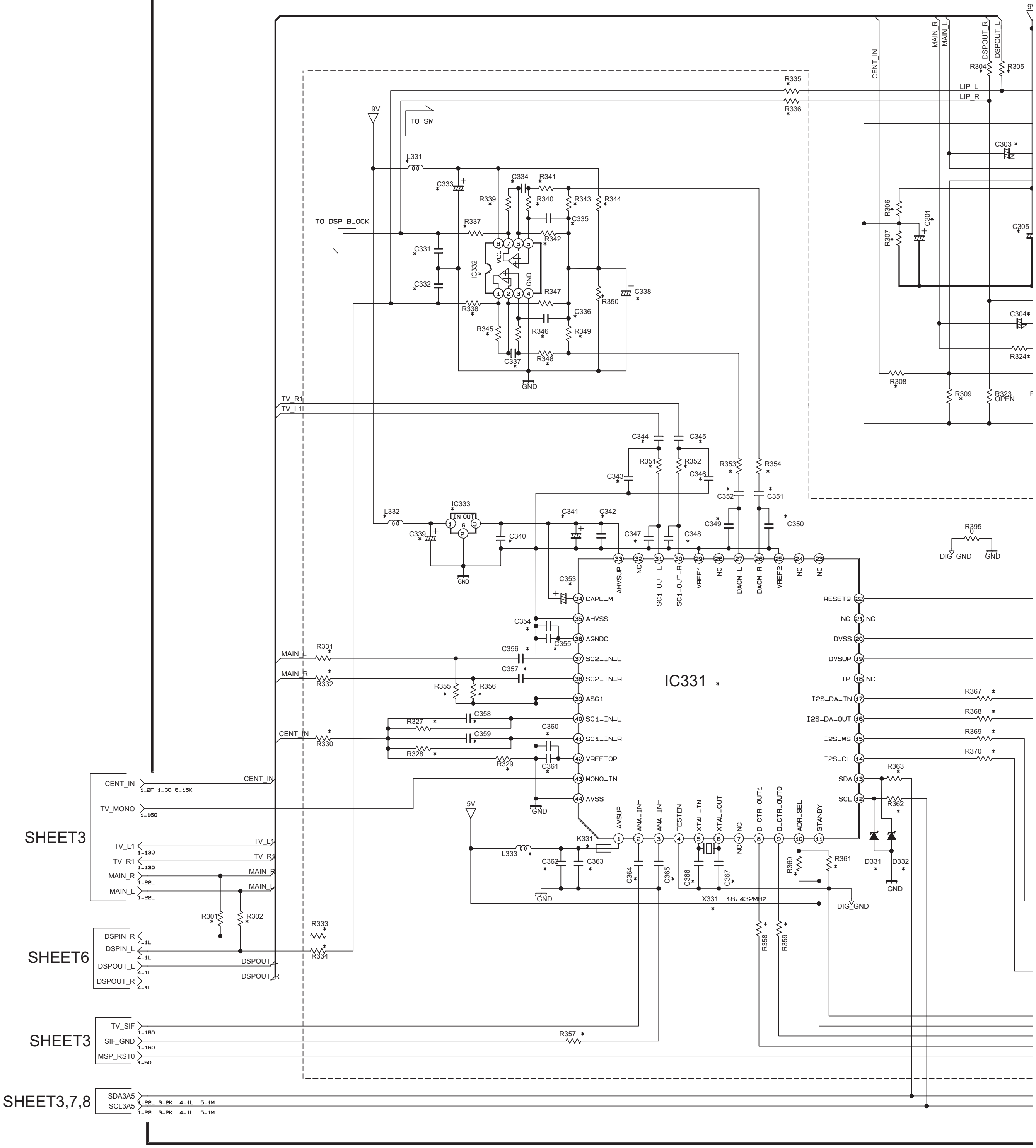
SRA-1012A-M2

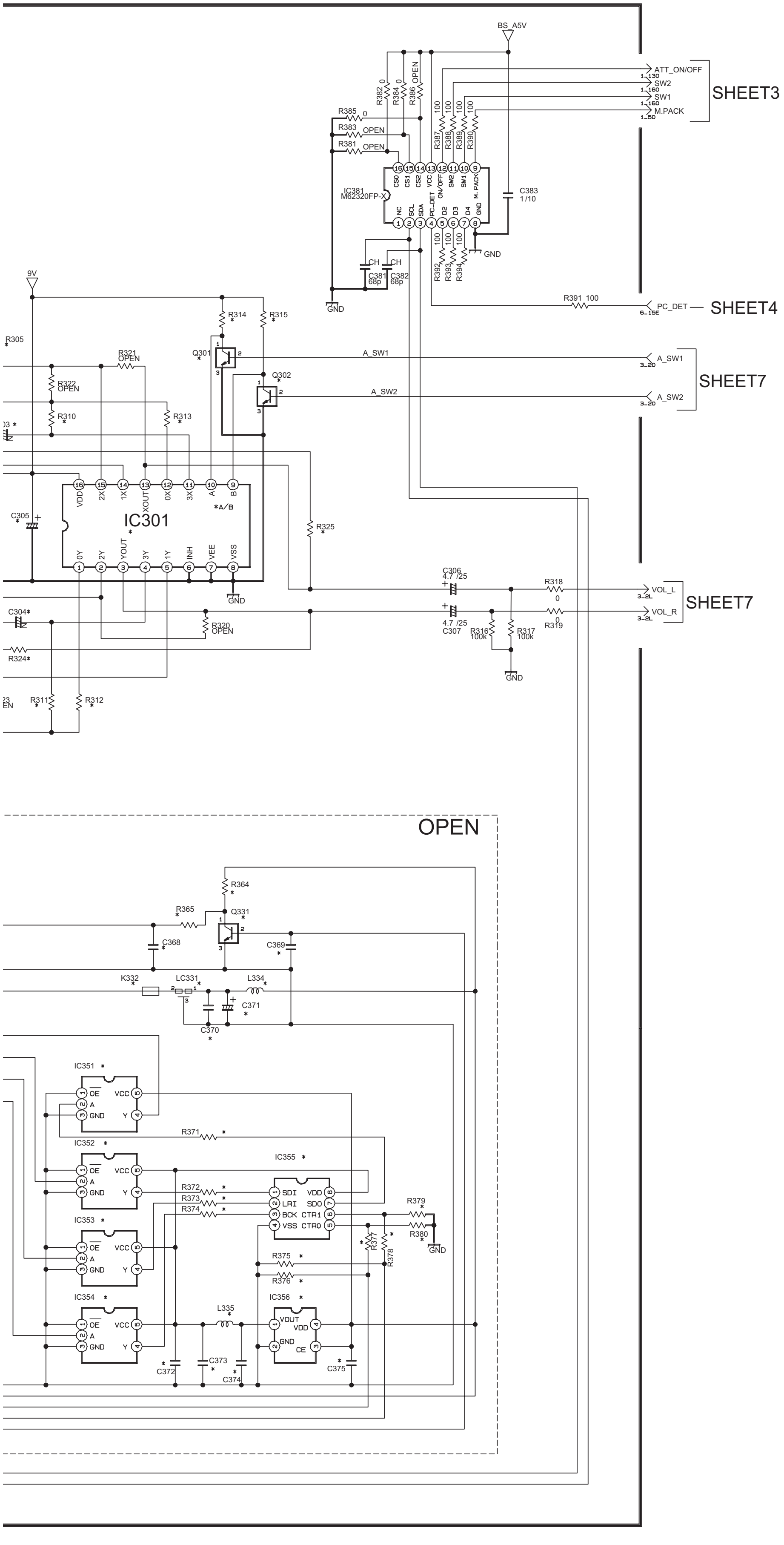
		HD-61G887A HD-56G887A HD-52G887A	HD-61G657A HD-56G657A HD-52G657A	HD-61G587A HD-52G587A	HD-61G567A HD-52G567A
		OLLC09896	OLLC10118	OLLC10118-02	
IR	J411	OPEN	OPEN	OPEN	OPEN
	R481	OPEN	OPEN	OPEN	OPEN
	D481	OPEN	OPEN	OPEN	OPEN
CENTER CH	J406	QNN0766-001	QNN0766-001	QNN0766-001	QNN0766-001
	C420	OPEN	OPEN	OPEN	OPEN
	C421	OPEN	OPEN	OPEN	OPEN
	R421	OPEN	OPEN	OPEN	OPEN
	D422	OPEN	OPEN	OPEN	OPEN
MONITOR	J407	OPEN	OPEN	OPEN	OPEN
	R431	OPEN	OPEN	OPEN	OPEN
	R432	OPEN	OPEN	OPEN	OPEN
	R433	OPEN	OPEN	OPEN	OPEN
	R434	OPEN	OPEN	OPEN	OPEN
	R435	OPEN	OPEN	OPEN	OPEN
	R436	OPEN	OPEN	OPEN	OPEN
	R437	OPEN	OPEN	OPEN	OPEN
	R438	OPEN	OPEN	OPEN	OPEN
	R439	OPEN	OPEN	OPEN	OPEN
	R440	OPEN	OPEN	OPEN	OPEN
	R441	OPEN	OPEN	OPEN	OPEN
	R442	OPEN	OPEN	OPEN	OPEN
	R443	OPEN	OPEN	OPEN	OPEN
	R444	OPEN	OPEN	OPEN	OPEN
	C431	OPEN	OPEN	OPEN	OPEN
	C432	OPEN	OPEN	OPEN	OPEN
	C433	OPEN	OPEN	OPEN	OPEN
	D431	OPEN	OPEN	OPEN	OPEN
	D432	OPEN	OPEN	OPEN	OPEN
	Q431	OPEN	OPEN	OPEN	OPEN
	Q432	OPEN	OPEN	OPEN	OPEN
	Q433	OPEN	OPEN	OPEN	OPEN
PC	J410	QNZ0561-001	OPEN	QNZ0561-001	OPEN
	R461	75	OPEN	75	OPEN
	R462	0	OPEN	0	OPEN
	R463	0	OPEN	0	OPEN
	R464	75	OPEN	75	OPEN
	R465	0	OPEN	0	OPEN
	R466	0	OPEN	0	OPEN
	R467	75	OPEN	75	OPEN
	R468	0	OPEN	0	OPEN
	R469	0	OPEN	0	OPEN
	R470	0	OPEN	0	OPEN
	R471	0	OPEN	0	OPEN
	R474	0	OPEN	0	OPEN
	R475	330	OPEN	330	OPEN
	R476	330	OPEN	330	OPEN
	C461	100p	OPEN	100p	OPEN
	C462	100p	OPEN	100p	OPEN
	C463	100p	OPEN	100p	OPEN
	C464	2.2/10	OPEN	2.2/10	OPEN
	C465	2.2/10	OPEN	2.2/10	OPEN
	C466	2.2/10	OPEN	2.2/10	OPEN
	C468	100p	OPEN	100p	OPEN
	C469	100p	OPEN	100p	OPEN
	D461	MA8100/M/-X	OPEN	MA8100/M/-X	OPEN
	D462	MA8100/M/-X	OPEN	MA8100/M/-X	OPEN
	D463	MA8100/M/-X	OPEN	MA8100/M/-X	OPEN
	D464	MA8100/M/-X	OPEN	MA8100/M/-X	OPEN
	D465	MA8100/M/-X	OPEN	MA8100/M/-X	OPEN
	D466	MA8100/M/-X	OPEN	MA8100/M/-X	OPEN
	J401	QNZ0825-001	QNZ0825-001	QNZ0825-001	QNZ0825-001
	J402	QNN0349-002	QNN0349-002	QNN0349-002	QNN0349-002
	J403	QNN0764-001	QNN0764-001	QNN0764-001	QNN0764-001
	J404	QNN0349-002	QNN0349-002	QNN0349-002	QNN0349-002
	J405	QNZ0825-001	QNZ0825-001	QNZ0825-001	QNZ0825-001
	J409	QNN0766-001	QNN0766-001	QNN0766-001	QNN0766-001

		HD-70FH97A HD-61FH97A HD-56FH97A HD-52FH97A	HD-70FN97A HD-61FN97A HD-56FN97A HD-52FN97A	HD-61FC97A HD-56FC97A	HD-56FM97A
		OLLC10494	OLLC10494-02		
IR	J411	OPEN	OPEN	OPEN	OPEN
	R481	OPEN	OPEN	OPEN	OPEN
	D481	OPEN	OPEN	OPEN	OPEN
CENTER CH	J406	QNN0765-002	QNN0765-001	QNN0765-001	QNN0765-001
	C420	1000p/50	1000p/50	OPEN	OPEN
	C421	2.2/10	2.2/10	OPEN	OPEN
	R421	220k	220k	OPEN	OPEN
	D422	MA8100/M/-X	MA8100/M/-X	OPEN	OPEN
MONITOR	J407	QNZ0825-002	QNZ0825-001	QNZ0825-001	OPEN
	R431	75	75	75	OPEN
	R432	OPEN	OPEN	OPEN	OPEN
	R433	75	75	75	OPEN
	R434	2.2k	2.2k	2.2k	OPEN
	R435	75	75	75	OPEN
	R436	2.2k	2.2k	2.2k	OPEN
	R437	390	390	390	OPEN
	R438	22k	22k	22k	OPEN
	R439	470	470	470	OPEN
	R440	390	390	390	OPEN
	R441	22k	22k	22k	OPEN
	R442	470	470	470	OPEN
	R443	1k	1k	1k	OPEN
	R444	39k	39k	39k	OPEN
	C431	2.2/16	2.2/16	2.2/16	OPEN
	C432	2.2/16	2.2/16	2.2/16	OPEN
	C433	1/16	1/16	1/16	OPEN
	D431	MA8100/M/-X	MA8100/M/-X	MA8100/M/-X	OPEN
	D432	MA8100/M/-X	MA8100/M/-X	MA8100/M/-X	OPEN
	Q431	UN2226-X	UN2226-X	UN2226-X	OPEN
	Q432	UN2226-X	UN2226-X	UN2226-X	OPEN
	Q433	UN2110-X	UN2110-X	UN2110-X	OPEN
PC	J410	QNZ0561-001	QNZ0561-001	OPEN	QNZ0561-001
	R461	75	75	OPEN	75
	R462	0	0	OPEN	0
	R463	0	0	OPEN	0
	R464	75	75	OPEN	75
	R465	0	0	OPEN	0
	R466	0	0	OPEN	0
	R467	75	75	OPEN	75
	R468	0	0	OPEN	0
	R469	0	0	OPEN	0
	R470	0	0	OPEN	0
	R471	0	0	OPEN	0
	R474	0	0	OPEN	0
	R475	330	330	OPEN	330
	R476	330	330	OPEN	330
	C461	100p	100p	OPEN	100p
	C462	100p	100p	OPEN	100p
	C463	100p	100p	OPEN	100p
	C464	2.2/10	2.2/10	OPEN	2.2/10
	C465	2.2/10	2.2/10	OPEN	2.2/10
	C466	2.2/10	2.2/10	OPEN	2.2/10
	C468	100p	100p	OPEN	100p
	C469	100p	100p	OPEN	100p
	D461	MA8100/M/-X	MA8100/M/-X	OPEN	MA8100/M/-X
	D462	MA8100/M/-X	MA8100/M/-X	OPEN	MA8100/M/-X
	D463	MA8100/M/-X	MA8100/M/-X	OPEN	MA8100/M/-X
	D464	MA8100/M/-X	MA8100/M/-X	OPEN	MA8100/M/-X
	D465	MA8100/M/-X	MA8100/M/-X	OPEN	MA8100/M/-X
	D466	MA8100/M/-X	MA8100/M/-X	OPEN	MA8100/M/-X
	J401	QNZ0825-002	QNZ0825-001	QNZ0825-001	QNZ0825-001
	J402	QNN0349-004	QNN0349-002	QNN0349-002	QNN0349-002
	J403	QNN0764-002	QNN0764-001	QNN0764-001	QNN0764-001
	J404	QNN0349-004	QNN0349-002	QNN0349-002	QNN0349-002
	J405	QNZ0825-002	QNZ0825-001	QNZ0825-001	QNZ0825-001
	J409	QNN0766-002	QNN0766-001	QNN0766-001	QNN0766-001

ANALOG PWB ASS'Y (3/6)

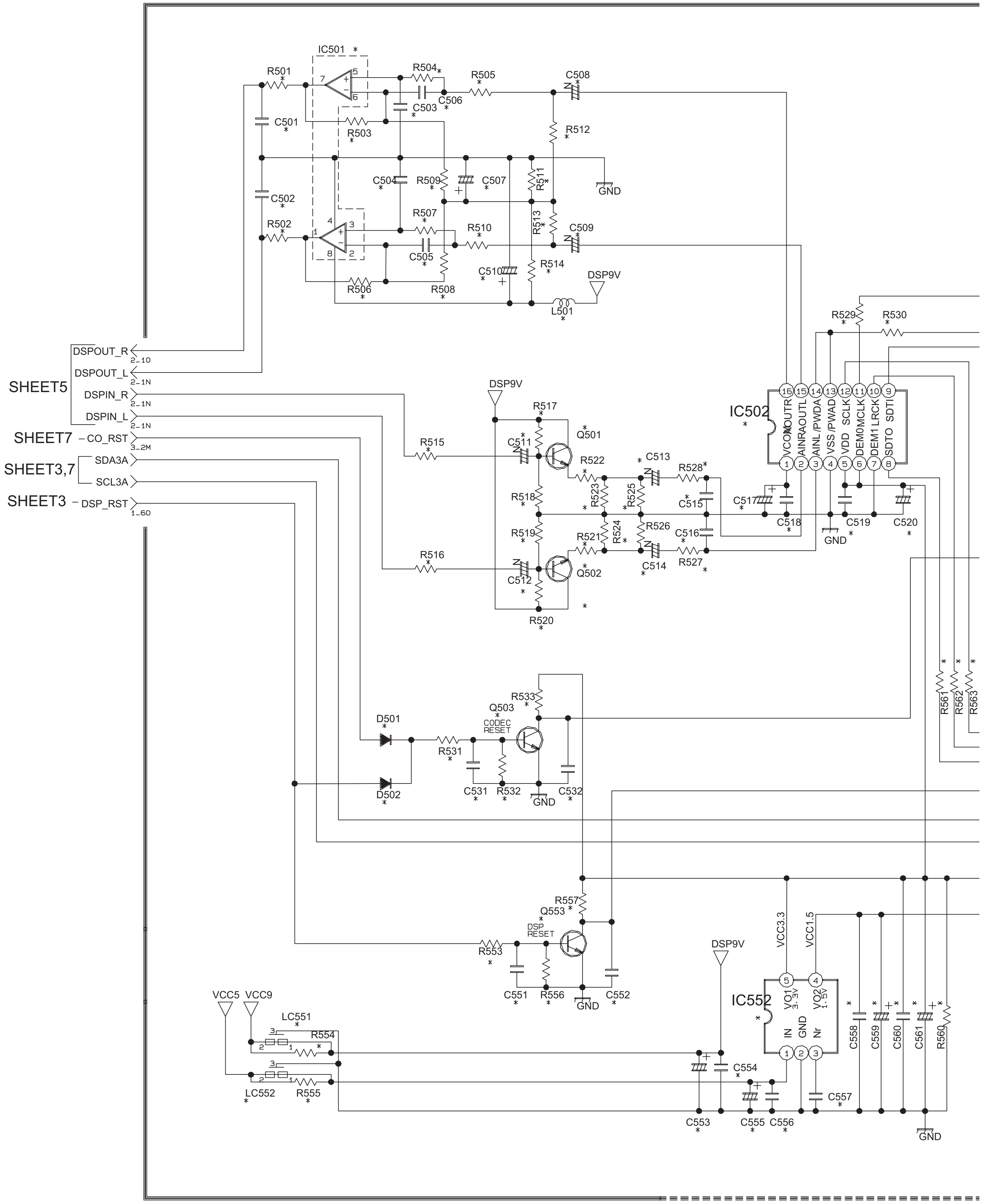
SRA-1012A-M2


9V
TO SW
TO DSP BLOCK
L331
C333
C334
R341
R339
R340
R343
R344
C335
R337
R342
C331
IC332
VCC
GND
C332
R338
R347
R350
C338
C336
R345
R346
R349
C337
R348
GND
R335
R336
CENT_IN
MAIN_R
MAIN_L
DSPOUT_R
DSPOUT_L
R304
R305
LIP_L
LIP_R
C303
R306
R307
C301
C305
C304
R324
R308
R309
R323
OPEN
TV_R1
TV_L1
C344
C345
R351
R352
C343
C346
R353
R354
C352
C351
C349
C350
L332
IC333
IN OUT
G
C339
C340
C341
C342
C347
C348
R395
0
DIG_GND
GND
C353
AHVSUP
NC
SC1_OUT_L
SC1_OUT_R
VREF1
DACM_L
DACM_R
VREF2
CAPL_M
AHVSS
AGNDC
SC2_IN_L
SC2_IN_R
ASG1
SC1_IN_L
SC1_IN_R
VREFTOP
MONO_IN
AVSS
C354
C355
C356
C357
R331
R332
R355
R356
IC331
RESETQ
DVSS
DVSUP
TP
I2S_DA_IN
I2S_DA_OUT
I2S_WS
I2S_CL
SDA
SCL
R367
R368
R369
R370
R363
R362
R327
R328
C358
C359
C360
C361
R329
R330
CENT_IN
5V
L333
K331
AVSUP
ANA_IN+
ANA_IN-
TESTEN
XTAL_IN
XTAL_OUT
D_CTR_OUT1
D_CTR_OUT0
ADR_SEL
STANBY
C362
C363
C364
C365
C366
C367
R360
R361
D331
D332
X331
18.432MHz
R358
R359
R357
SHEET3
CENT_IN
1_2F 1_30 6_15K
TV_MONO
1_160
TV_L1
1_130
TV_R1
1_130
MAIN_R
1_22L
MAIN_L
1_22L
R301
R302
SHEET6
DSPIN_R
4_1L
DSPIN_L
4_1L
DSPOUT_L
4_1L
DSPOUT_R
4_1L
R333
R334
SHEET3
TV_SIF
1_160
SIF_GND
1_160
MSP_RST0
1_50
SHEET3,7,8
SDA3A5
1_22L 3_2K 4_1L 5_1M
SCL3A5
1_22L 3_2K 4_1L 5_1M


BS_A5V
R382 0
R384 0
R386 OPEN
R385 0
R383 OPEN
R381 OPEN
R387 100
R388 100
R389 100
R390 100
IC381
M62320FP-X
CS0
CS1
CS2
VCC
ON/OFF
SW2
SW1
M.PACK
NC
SCL
SDA
PC_DET
D2
D3
D4
GND
C383
1/10
R392 100
R393 100
R394 100
CH
C381 68p
CH
C382 68p
GND
ATT_ON/OFF
SW2
SW1
M.PACK
SHEET3
R391 100
PC_DET
SHEET4
9V
R314
R315
R305
R321 OPEN
Q301
Q302
A_SW1
A_SW2
SHEET7
R322 OPEN
R310
R313
C305
IC301
VDD
2X
1X
XOUT
0X
3X
A
B
*A/B
0Y
2Y
YOUT
3Y
1Y
INH
VEE
VSS
R325
C306 4.7 /25
R318 0
VOL_L
VOL_R
SHEET7
4.7 /25
C307
R319 0
R316 100k
R317 100k
GND
C304
R320 OPEN
R324
R311
R312
OPEN
R364
R365
Q331
C368
C369
K332
LC331
L334
C371
C370
IC351
OE
A
GND
VCC
Y
R371
IC352
IC355
R372
R373
R374
SDI
LRI
BCK
VSS
VDD
SDO
CTR1
CTR0
R379
R380
R377
R378
IC353
R375
R376
IC354
L335
IC356
VOUT
VDD
GND
CE
C372
C373
C374
C375

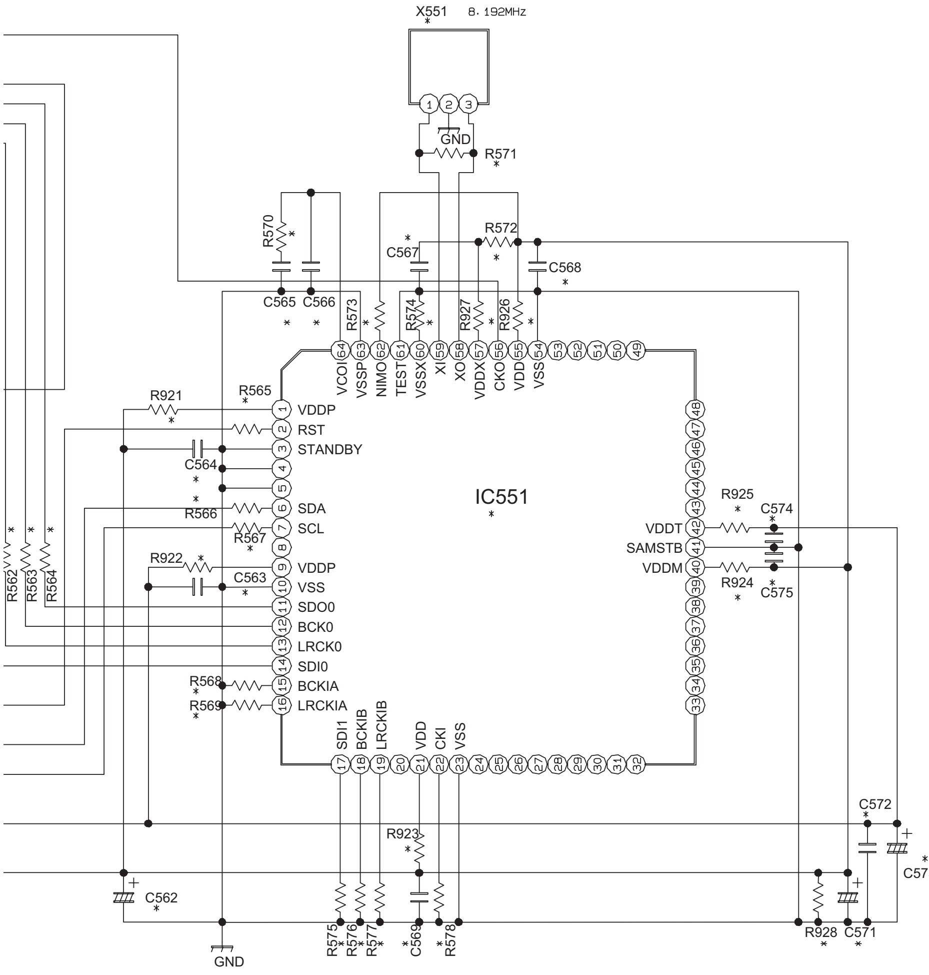
	HD-61G887A HD-56G887A HD-52G887A	HD-61G657A HD-56G657A HD-52G657A	HD-61G587A HD-52G587A	HD-61G567A HD-52G567A	HD-70FH97A HD-61FH97A HD-56FH97A HD-52FH97A	HD-70FN97A HD-61FN97A HD-56FN97A HD-52FN97A	HD-61FC97A HD-56FC97A	HD-56FM97A
	OLLC09896	OLLC10118	OLLC10118 -02		OLLC10494	OLLC10494 -02		
IC301	OPEN	OPEN	OPEN	OPEN	CD4052 BNS-X	CD4052 BNS-X	OPEN	OPEN
R304	OPEN	OPEN	OPEN	OPEN	100	100	OPEN	OPEN
R305	OPEN	OPEN	OPEN	OPEN	100	100	OPEN	OPEN
R306	OPEN	OPEN	OPEN	OPEN	3.3k	3.3k	OPEN	OPEN
R307	OPEN	OPEN	OPEN	OPEN	3.3k	3.3k	OPEN	OPEN
R308	OPEN	OPEN	OPEN	OPEN	0	0	OPEN	OPEN
R309	OPEN	OPEN	OPEN	OPEN	100k	100k	OPEN	OPEN
R310	OPEN	OPEN	OPEN	OPEN	100k	100k	OPEN	OPEN
R311	OPEN	OPEN	OPEN	OPEN	100k	100k	OPEN	OPEN
R312	OPEN	OPEN	OPEN	OPEN	100k	100k	OPEN	OPEN
R313	OPEN	OPEN	OPEN	OPEN	100k	100k	OPEN	OPEN
R314	OPEN	OPEN	OPEN	OPEN	22k	22k	OPEN	OPEN
R315	OPEN	OPEN	OPEN	OPEN	6.8k	6.8k	OPEN	OPEN
R324	0	0	0	0	OPEN	OPEN	0	0
R325	0	0	0	0	OPEN	OPEN	0	0
C301	OPEN	OPEN	OPEN	OPEN	47/16	47/16	OPEN	OPEN
C303	OPEN	OPEN	OPEN	OPEN	4.7/16	4.7/16	OPEN	OPEN
C304	OPEN	OPEN	OPEN	OPEN	4.7/16	4.7/16	OPEN	OPEN
C305	OPEN	OPEN	OPEN	OPEN	100/16	100/16	OPEN	OPEN
Q301	OPEN	OPEN	OPEN	OPEN	RT1N441C-X	RT1N441C-X	OPEN	OPEN
Q302	OPEN	OPEN	OPEN	OPEN	RT1N441C-X	RT1N441C-X	OPEN	OPEN
R301	OPEN	OPEN	OPEN	OPEN	0	0	OPEN	OPEN
R302	OPEN	OPEN	OPEN	OPEN	0	0	OPEN	OPEN

ANALOG PWB CIRCUIT DIAGRAM (4/6) [W_DSP BLOCK] SHEET 6


IC501
R501
R504
R505
C508
C503
C506
C501
R503
R512
C504
R509
C507
R511
GND
C502
R507
R502
R510
R513
C509
C505
C510
R514
DSP9V
R506
R508
L501
R529
R530
DSPOUT_R
DSPOUT_L
DSPIN_R
DSPIN_L
SHEET5
SHEET7
CO_RST
SHEET3,7
SDA3A
SCL3A
SHEET3
DSP_RST
DSP9V
R517
Q501
C511
R515
R522
C513
R528
R518
R523
R525
C515
C517
C518
C519
C520
R519
R521
R524
R526
C516
GND
R516
C512
Q502
C514
R527
R520
IC502
VCOM
AOUTR
AINR
AOUTL
AINL/PWDA
VSS/PWAD
VDD
SCLK
DEM0
MCLK
DEM1
LRCK
SDTO
SDTI
R561
R562
R563
R533
Q503
CODEC RESET
D501
R531
C531
R532
GND
C532
D502
R557
Q553
DSP RESET
R553
C551
R556
GND
C552
DSP9V
VCC3.3
VCC1.5
IC552
VO1 3.3V
VO2 1.5V
IN
GND
Nr
C558
C559
C560
C561
R560
VCC5
VCC9
LC551
R554
LC552
R555
C554
C553
C555
C556
C557
GND

ANALOG PWB ASS'Y (4/6)

SRA-1012A-M2



- NOTE -

0 : NRSA63J-0R0X

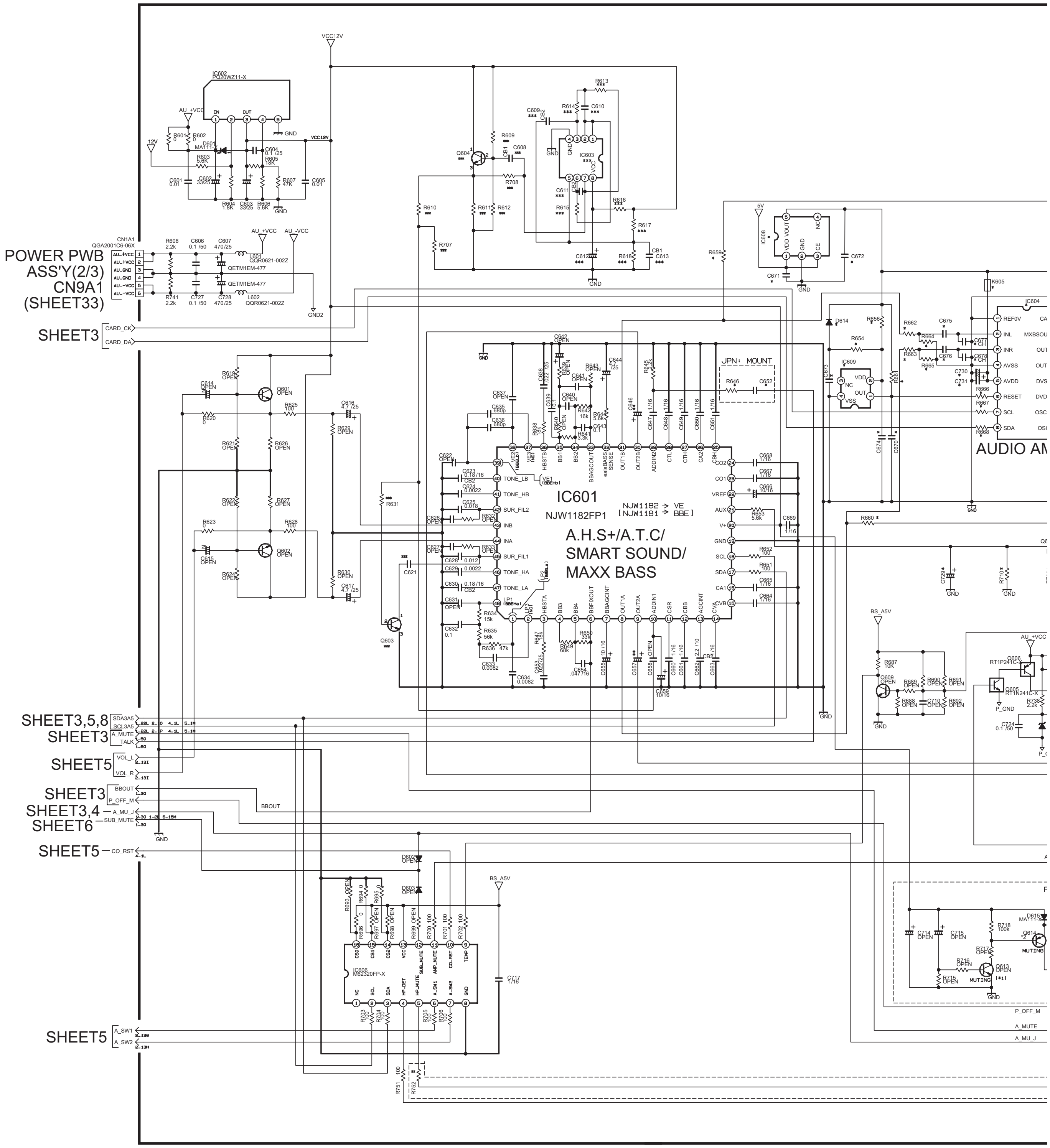
NPN : 2SC3928A/QR/-X

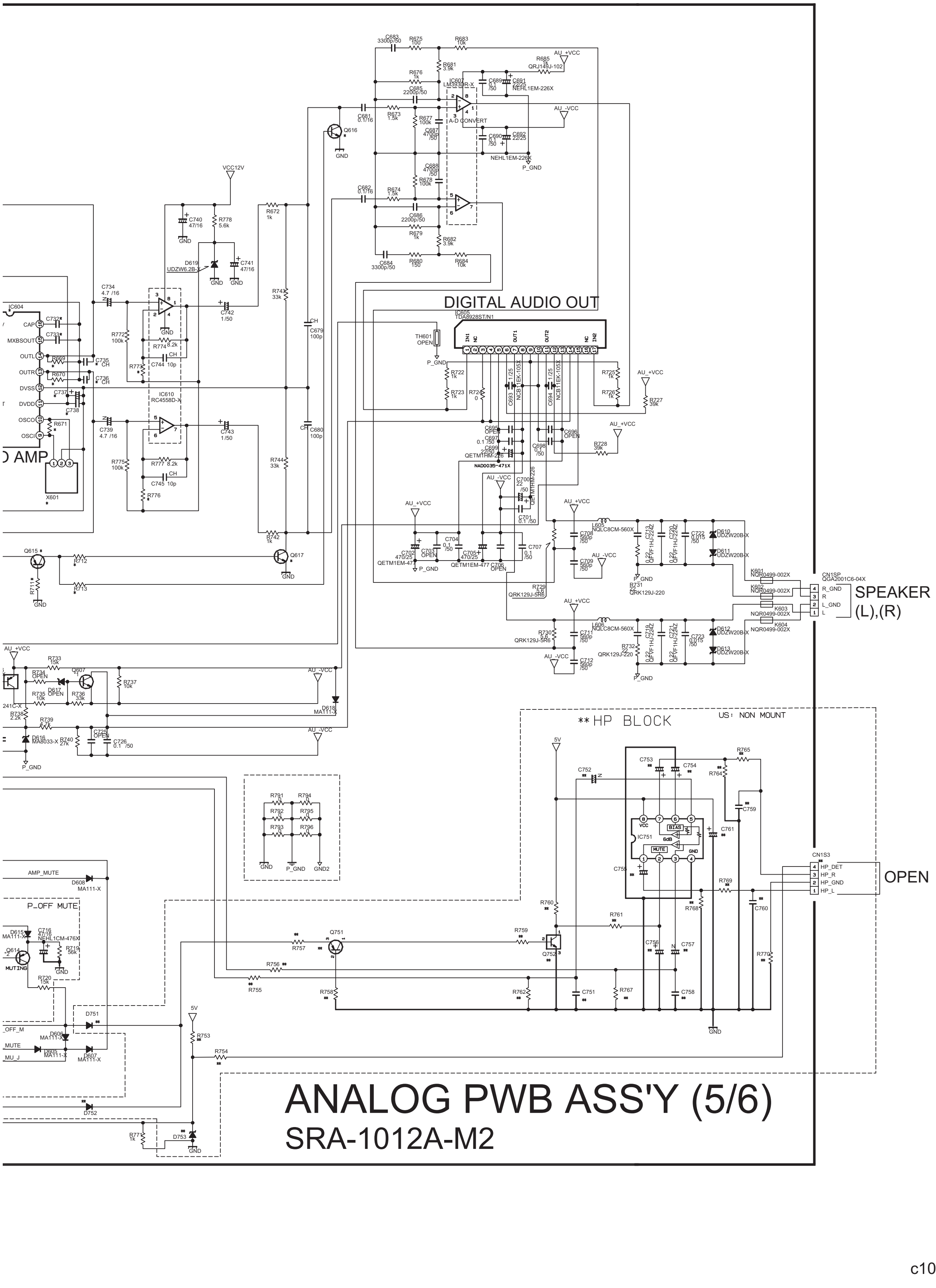
PNP : 2SA1530A/QR/-X

	HD-61G887A HD-56G887A HD-52G887A	HD-61G657A HD-56G657A HD-52G657A	HD-61G587A HD-52G587A	HD-61G567A HD-52G567A	HD-70FH97A HD-61FH97A HD-56FH97A HD-52FH97A	HD-70FN97A HD-61FN97A HD-56FN97A HD-52FN97A	HD-61FC97A HD-56FC97A	HD-56FM97A
	OLLC09896	OLLC10118	OLLC10118-02		OLLC10494	OLLC10494-02		
IC501	OPEN	OPEN	OPEN	OPEN	HA17558AF-X	HA17558AF-X	OPEN	HA17558AF-X
IC502	OPEN	OPEN	OPEN	OPEN	AK4554VT-X	AK4554VT-X	OPEN	AK4554VT-X
IC551	OPEN	OPEN	OPEN	OPEN	JCC5067	JCC5067	OPEN	JCC5067
IC552	OPEN	OPEN	OPEN	OPEN	PQ2L3152MS-X	PQ2L3152MS-X	OPEN	PQ2L3152MS-X
LC551	OPEN	OPEN	OPEN	OPEN	NQR0470-007X	NQR0470-007X	OPEN	NQR0470-007X
LC552	OPEN	OPEN	OPEN	OPEN	NQR0470-007X	NQR0470-007X	OPEN	NQR0470-007X
D501	OPEN	OPEN	OPEN	OPEN	MA111-X	MA111-X	OPEN	MA111-X
D502	OPEN	OPEN	OPEN	OPEN	MA111-X	MA111-X	OPEN	MA111-X
Q501	OPEN	OPEN	OPEN	OPEN	2SC3928A/QR/-X	2SC3928A/QR/-X	OPEN	2SC3928A/QR/-X
Q502	OPEN	OPEN	OPEN	OPEN	2SC3928A/QR/-X	2SC3928A/QR/-X	OPEN	2SC3928A/QR/-X
Q503	OPEN	OPEN	OPEN	OPEN	2SC3928A/QR/-X	2SC3928A/QR/-X	OPEN	2SC3928A/QR/-X
Q551	OPEN	OPEN	OPEN	OPEN	2SK3019-X	2SK3019-X	OPEN	2SK3019-X
Q552	OPEN	OPEN	OPEN	OPEN	2SK3019-X	2SK3019-X	OPEN	2SK3019-X
Q553	OPEN	OPEN	OPEN	OPEN	2SC3928A/QR/-X	2SC3928A/QR/-X	OPEN	2SC3928A/QR/-X
R501	OPEN	OPEN	OPEN	OPEN	220	220	OPEN	220
R502	OPEN	OPEN	OPEN	OPEN	220	220	OPEN	220
R503	OPEN	OPEN	OPEN	OPEN	4.7k	4.7k	OPEN	4.7k
R504	OPEN	OPEN	OPEN	OPEN	3.3k	3.3k	OPEN	3.3k
R505	OPEN	OPEN	OPEN	OPEN	3.3k	3.3k	OPEN	3.3k
R506	OPEN	OPEN	OPEN	OPEN	4.7k	4.7k	OPEN	4.7k
R507	OPEN	OPEN	OPEN	OPEN	3.3k	3.3k	OPEN	3.3k
R508	OPEN	OPEN	OPEN	OPEN	1k	1k	OPEN	1k
R509	OPEN	OPEN	OPEN	OPEN	1k	1k	OPEN	1k
R510	OPEN	OPEN	OPEN	OPEN	3.3k	3.3k	OPEN	3.3k
R511	OPEN	OPEN	OPEN	OPEN	10k	10k	OPEN	10k
R512	OPEN	OPEN	OPEN	OPEN	33k	33k	OPEN	33k
R513	OPEN	OPEN	OPEN	OPEN	33k	33k	OPEN	33k
R514	OPEN	OPEN	OPEN	OPEN	10k	10k	OPEN	10k
R515	OPEN	OPEN	OPEN	OPEN	1k	1k	OPEN	1k
R516	OPEN	OPEN	OPEN	OPEN	1k	1k	OPEN	1k
R517	OPEN	OPEN	OPEN	OPEN	33k	33k	OPEN	33k
R518	OPEN	OPEN	OPEN	OPEN	33k	33k	OPEN	33k
R519	OPEN	OPEN	OPEN	OPEN	33k	33k	OPEN	33k
R520	OPEN	OPEN	OPEN	OPEN	33k	33k	OPEN	33k
R521	OPEN	OPEN	OPEN	OPEN	3.3k	3.3k	OPEN	3.3k
R522	OPEN	OPEN	OPEN	OPEN	3.3k	3.3k	OPEN	3.3k
R523	OPEN	OPEN	OPEN	OPEN	1k	1k	OPEN	1k
R524	OPEN	OPEN	OPEN	OPEN	1k	1k	OPEN	1k
R525	OPEN	OPEN	OPEN	OPEN	1k	1k	OPEN	1k
R526	OPEN	OPEN	OPEN	OPEN	1k	1k	OPEN	1k
R527	OPEN	OPEN	OPEN	OPEN	470	470	OPEN	470
R528	OPEN	OPEN	OPEN	OPEN	470	470	OPEN	470
R529	OPEN	OPEN	OPEN	OPEN	100	100	OPEN	100
R530	OPEN	OPEN	OPEN	OPEN	0	0	OPEN	0
R531	OPEN	OPEN	OPEN	OPEN	3.3k	3.3k	OPEN	3.3k
R532	OPEN	OPEN	OPEN	OPEN	10k	10k	OPEN	10k
R533	OPEN	OPEN	OPEN	OPEN	10k	10k	OPEN	10k
R551	OPEN	OPEN	OPEN	OPEN	100	100	OPEN	100
R552	OPEN	OPEN	OPEN	OPEN	100	100	OPEN	100
R553	OPEN	OPEN	OPEN	OPEN	10k	10k	OPEN	10k
R554	OPEN	OPEN	OPEN	OPEN	0	0	OPEN	0
R555	OPEN	OPEN	OPEN	OPEN	0	0	OPEN	0
R556	OPEN	OPEN	OPEN	OPEN	10k	10k	OPEN	10k
R557	OPEN	OPEN	OPEN	OPEN	10k	10k	OPEN	10k
R558	OPEN	OPEN	OPEN	OPEN	68k	68k	OPEN	68k
R559	OPEN	OPEN	OPEN	OPEN	68k	68k	OPEN	68k
R560	OPEN	OPEN	OPEN	OPEN	6.8k	6.8k	OPEN	6.8k
R561	OPEN	OPEN	OPEN	OPEN	220	220	OPEN	220
R562	OPEN	OPEN	OPEN	OPEN	220	220	OPEN	220
R563	OPEN	OPEN	OPEN	OPEN	220	220	OPEN	220
R564	OPEN	OPEN	OPEN	OPEN	220	220	OPEN	220
R565	OPEN	OPEN	OPEN	OPEN	0	0	OPEN	0
R566	OPEN	OPEN	OPEN	OPEN	100	100	OPEN	100
R567	OPEN	OPEN	OPEN	OPEN	100	100	OPEN	100
R568	OPEN	OPEN	OPEN	OPEN	10k	10k	OPEN	10k
R569	OPEN	OPEN	OPEN	OPEN	10k	10k	OPEN	10k
R570	OPEN	OPEN	OPEN	OPEN	100	100	OPEN	100
R571	OPEN	OPEN	OPEN	OPEN	1M	1M	OPEN	1M
R572	OPEN	OPEN	OPEN	OPEN	4.7	4.7	OPEN	4.7
R573	OPEN	OPEN	OPEN	OPEN	10k	10k	OPEN	10k
R574	OPEN	OPEN	OPEN	OPEN	0	0	OPEN	0
R575	OPEN	OPEN	OPEN	OPEN	10k	10k	OPEN	10k
R576	OPEN	OPEN	OPEN	OPEN	10k	10k	OPEN	10k
R577	OPEN	OPEN	OPEN	OPEN	10k	10k	OPEN	10k
R578	OPEN	OPEN	OPEN	OPEN	10k	10k	OPEN	10k
R921	OPEN	OPEN	OPEN	OPEN	0	0	OPEN	0
R922	OPEN	OPEN	OPEN	OPEN	0	0	OPEN	0
R923	OPEN	OPEN	OPEN	OPEN	0	0	OPEN	0
R924	OPEN	OPEN	OPEN	OPEN	0	0	OPEN	0
R925	OPEN	OPEN	OPEN	OPEN	0	0	OPEN	0
R926	OPEN	OPEN	OPEN	OPEN	0	0	OPEN	0
R927	OPEN	OPEN	OPEN	OPEN	0	0	OPEN	0
R928	OPEN	OPEN	OPEN	OPEN	NRSA63J-222X	NRSA63J-222X	OPEN	NRSA63J-222X

	HD-61G887A HD-56G887A HD-52G887A	HD-61G657A HD-56G657A HD-52G657A	HD-61G587A HD-52G587A	HD-61G567A HD-52G567A	HD-70FH97A HD-61FH97A HD-56FH97A HD-52FH97A	HD-70FN97A HD-61FN97A HD-56FN97A HD-52FN97A	HD-61FC97A HD-56FC97A	HD-56FM97A
	OLLC09896	OLLC10118	OLLC10118-02		OLLC10494	OLLC10494-02		
C501	OPEN	OPEN	OPEN	OPEN	NCB31CK-223X	NCB31CK-223X	OPEN	NCB31CK-223X
C502	OPEN	OPEN	OPEN	OPEN	NCB31CK-223X	NCB31CK-223X	OPEN	NCB31CK-223X
C503	OPEN	OPEN	OPEN	OPEN	0.0022	0.0022	OPEN	0.0022
C504	OPEN	OPEN	OPEN	OPEN	0.0022	0.0022	OPEN	0.0022
C505	OPEN	OPEN	OPEN	OPEN	0.0082	0.0082	OPEN	0.0082
C506	OPEN	OPEN	OPEN	OPEN	0.0082	0.0082	OPEN	0.0082
C507	OPEN	OPEN	OPEN	OPEN	NEHL1AM-107X	NEHL1AM-107X	OPEN	NEHL1AM-107X
C508	OPEN	OPEN	OPEN	OPEN	1/50	1/50	OPEN	1/50
C509	OPEN	OPEN	OPEN	OPEN	1/50	1/50	OPEN	1/50
C510	OPEN	OPEN	OPEN	OPEN	NEHL1CM-476X	NEHL1CM-476X	OPEN	NEHL1CM-476X
C511	OPEN	OPEN	OPEN	OPEN	NEHL1EM-475X	NEHL1EM-475X	OPEN	NEHL1EM-475X
C512	OPEN	OPEN	OPEN	OPEN	NEHL1EM-475X	NEHL1EM-475X	OPEN	NEHL1EM-475X
C513	OPEN	OPEN	OPEN	OPEN	NEHL1EM-475X	NEHL1EM-475X	OPEN	NEHL1EM-475X
C514	OPEN	OPEN	OPEN	OPEN	NEHL1EM-475X	NEHL1EM-475X	OPEN	NEHL1EM-475X
C515	OPEN	OPEN	OPEN	OPEN	1000p	1000p	OPEN	1000p
C516	OPEN	OPEN	OPEN	OPEN	1000p	1000p	OPEN	1000p
C517	OPEN	OPEN	OPEN	OPEN	NEHL1EM-475X	NEHL1EM-475X	OPEN	NEHL1EM-475X
C518	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16	OPEN	0.1/16
C519	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16	OPEN	0.1/16
C520	OPEN	OPEN	OPEN	OPEN	NEHL1CM-106X	NEHL1CM-106X	OPEN	NEHL1CM-106X
C531	OPEN	OPEN	OPEN	OPEN	1000p	1000p	OPEN	1000p
C532	OPEN	OPEN	OPEN	OPEN	1000p	1000p	OPEN	1000p
C551	OPEN	OPEN	OPEN	OPEN	1000p	1000p	OPEN	1000p
C552	OPEN	OPEN	OPEN	OPEN	1000p	1000p	OPEN	1000p
C553	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C554	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C555	OPEN	OPEN	OPEN	OPEN	NEHL1CM-106X	NEHL1CM-106X	OPEN	NEHL1CM-106X
C556	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C557	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16	OPEN	0.1/16
C558	OPEN	OPEN	OPEN	OPEN	NCB30JK-225X	NCB30JK-225X	OPEN	NCB30JK-225X
C559	OPEN	OPEN	OPEN	OPEN	NEHL0JM-226X	NEHL0JM-226X	OPEN	NEHL0JM-226X
C560	OPEN	OPEN	OPEN	OPEN	NCB30JK-225X	NCB30JK-225X	OPEN	NCB30JK-225X
C561	OPEN	OPEN	OPEN	OPEN	NEHL0JM-226X	NEHL0JM-226X	OPEN	NEHL0JM-226X
C562	OPEN	OPEN	OPEN	OPEN	NEHL0JM-226X	NEHL0JM-226X	OPEN	NEHL0JM-226X
C563	OPEN	OPEN	OPEN	OPEN	0.01	0.01	OPEN	0.01
C564	OPEN	OPEN	OPEN	OPEN	0.01	0.01	OPEN	0.01
C565	OPEN	OPEN	OPEN	OPEN	0.1	0.1	OPEN	0.1
C566	OPEN	OPEN	OPEN	OPEN	0.1	0.1	OPEN	0.1
C567	OPEN	OPEN	OPEN	OPEN	0.01	0.01	OPEN	0.01
C568	OPEN	OPEN	OPEN	OPEN	0.01	0.01	OPEN	0.01
C569	OPEN	OPEN	OPEN	OPEN	0.01	0.01	OPEN	0.01
C571	OPEN	OPEN	OPEN	OPEN	NEHL0JM-226X	NEHL0JM-226X	OPEN	NEHL0JM-226X
C572	OPEN	OPEN	OPEN	OPEN	NCB31CK-105X	NCB31CK-105X	OPEN	NCB31CK-105X
C573	OPEN	OPEN	OPEN	OPEN	NEHL0JM-226X	NEHL0JM-226X	OPEN	NEHL0JM-226X
C574	OPEN	OPEN	OPEN	OPEN	0.01	0.01	OPEN	0.01
C575	OPEN	OPEN	OPEN	OPEN	0.01	0.01	OPEN	0.01
L501	OPEN	OPEN	OPEN	OPEN	NRSA02J-0R0X	NRSA02J-0R0X	OPEN	NRSA02J-0R0X
X551	OPEN	OPEN	OPEN	OPEN	NAX0623-001X	NAX0623-001X	OPEN	NAX0623-001X
D501	OPEN	OPEN	OPEN	OPEN	1SS355W-X	1SS355W-X	OPEN	1SS355W-X
D502	OPEN	OPEN	OPEN	OPEN	1SS355W-X	1SS355W-X	OPEN	1SS355W-X

ANALOG PWB CIRCUIT DIAGRAM (5/6) [AUDIO BLOCK] SHEET 7


POWER PWB
ASS'Y(2/3)
CN9A1
(SHEET33)
SHEET3
SHEET3,5,8
SHEET3
SHEET5
SHEET3
SHEET3,4
SHEET6
SHEET5
SHEET5
CN1A1
QGA2001C6-06X
AU_+VCC
AU_GND
AU_-VCC
CARD_CK
CARD_DA
SDA3A5
SCL3A5
A_MUTE
TALK
VOL_L
VOL_R
BBOUT
P_OFF_M
A_MU_J
SUB_MUTE
GND
CO_RST
A_SW1
A_SW2
VCC12V
IC602
PQ20WZ11-X
IC603
IC601
NJW1182FP1
NJW1182 → VE
[NJW1181 → BBE]
A.H.S+/A.T.C/
SMART SOUND/
MAXX BASS
JPN: MOUNT
IC609
IC606
M62320FP-X
Q601
Q602
Q603
Q604
Q609
D602
D603
D614
BS_A5V
MUTING
AUDIO AM
IC604
REF0V
INL
INR
AVSS
AVDD
RESET
SCL
SDA
P_OFF_M
A_MUTE
A_MU_J


DIGITAL AUDIO OUT
IC605 TDA8928ST/N1
IC607 LM393DR-X
A-D CONVERT
IC610 RC4558D-X
IC604
CAP
MXBSOUT
OUTL
OUTR
DVSS
DVDD
OSCO
OSCI
D AMP
X601
Q615
Q616
Q617
VCC12V
AU_+VCC
AU_-VCC
P_GND
GND
TH601 OPEN
C683 3300p/50
R675 100
R683 10k
R685 1k QRJ149J-102
C691 22/25 NEHL1EM-226X
C692 22/25 NEHL1EM-226X
C684 3300p/50
R680 150
R684 10k
D619 UDZW6.2B-X
C740 47/16
R778 5.6k
C741 47/16
C734 4.7/16
C739 4.7/16
C742 1/50
C743 1/50
C679 100p
C680 100p
R743 33k
R744 33k
R672 1k
R742 1k
C693 1/25 NCB1EK-105X
C694 1/25 NCB1EK-105X
C700 22/50 QETM1HM-226
C699 QETM1HM-226
NAD0035-471X
C702 470/25 QETM1EM-477
C705 470/25 QETM1EM-477
L605 NQLC8CM-560X
L606 NQLC8CM-560X
D610 UDZW20B-X
D611 UDZW20B-X
D612 UDZW20B-X
D613 UDZW20B-X
K601 NQR0499-002X
K602 NQR0499-002X
K603 NQR0499-002X
K604 NQR0499-002X
CN1SP QGA2001C6-04X
R_GND
R
L_GND
L
SPEAKER (L),(R)
R729 QRK129J-5R6
R730 QRK129J-5R6
R731 QRK129J-220
R732 QRK129J-220
D618 MA111-X
D616 MA8033-X
** HP BLOCK
US: NON MOUNT
IC751
BIAS
MUTE
6dB
Q751
Q752
5V
CN1S3
HP_DET
HP_R
HP_GND
HP_L
OPEN
AMP_MUTE
D608 MA111-X
P_OFF MUTE
D615 MA111-X
C716 47/16 NEHL1CM-476X
Q614 MUTING
R719 56k
R720 15k
D751
D606 MA111-X
D605 MA111-X
D607 MA111-X
D752
D753
R771 1k
R791
R792
R793
R794
R795
R796
GND2

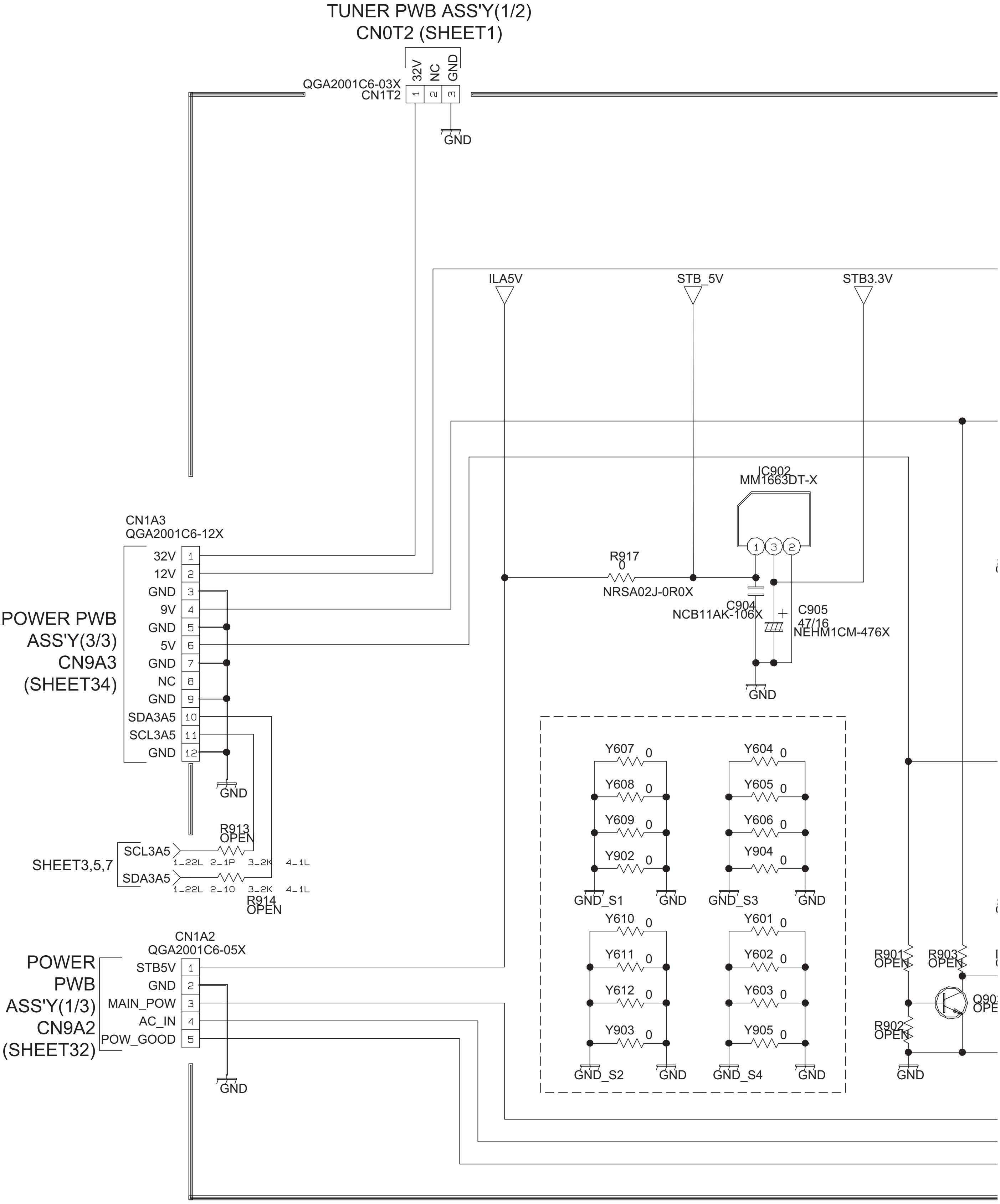
ANALOG PWB ASS'Y (5/6)

SRA-1012A-M2

	HD-70FH97A HD-61FH97A HD-56FH97A HD-52FH97A	HD-70FN97A HD-61FN97A HD-56FN97A HD-52FN97A	HD-61FC97A HD-56FC97A	HD-56FM97A
	OLLC10494	OLLC10494 -02		
R654	OPEN	OPEN	OPEN	OPEN
R656	OPEN	OPEN	OPEN	OPEN
R659	OPEN	OPEN	OPEN	OPEN
R660	OPEN	OPEN	OPEN	OPEN
R661	10k	10k	10k	10k
R662	3.3k	3.3k	6.8k	6.8k
R663	3.3k	3.3k	6.8k	6.8k
R664	OPEN	OPEN	OPEN	OPEN
R665	OPEN	OPEN	OPEN	OPEN
R666	0	0	0	0
R667	100	100	100	100
R668	100	100	100	100
R669	OPEN	OPEN	OPEN	OPEN
R670	OPEN	OPEN	OPEN	OPEN
R671	1M	1M	1M	1M
R710	10k	10k	10k	10k
R711	5.6k	5.6k	5.6k	5.6k
R712	100	100	100	100
R713	100	100	100	100
R773	3.3k	3.3k	3.3k	3.3k
R776	3.3k	3.3k	3.3k	3.3k
C670	1/16	1/16	1/16	1/16
C671	1/16	1/16	1/16	1/16
C672	0.47/10	0.47/10	0.47/10	0.47/10
C673	OPEN	OPEN	OPEN	OPEN
C674	OPEN	OPEN	OPEN	OPEN
C675	2.2/6.3	2.2/6.3	2.2/6.3	2.2/6.3
C676	2.2/6.3	2.2/6.3	2.2/6.3	2.2/6.3
C677	33p	33p	33p	33p
C678	33p	33p	33p	33p
C729	22/6.3	22/6.3	22/6.3	22/6.3
C730	10/16	10/16	10/16	10/16
C731	0.1	0.1	0.1	0.1
C732	1/16	1/16	1/16	1/16
C733	0.015	0.015	0.015	0.015
C735	33p	33p	33p	33p
C736	33p	33p	33p	33p
C737	10/16	10/16	10/16	10/16
C738	0.1	0.1	0.1	0.1
D614	OPEN	OPEN	OPEN	OPEN
D619	UDZW6.2B-X	UDZW6.2B-X	UDZW6.2B-X	UDZW6.2B-X
K605	NQR0499 -002X	NQR0499 -002X	NQR0499 -002X	NQR0499 -002X
X601	NAX0857 -001X	NAX0857 -001X	NAX0857 -001X	NAX0857 -001X
Q615	2SA1530A/ QR/-X	2SA1530A/ QR/-X	2SA1530A/ QR/-X	2SA1530A/ QR/-X
Q616	2SC3928A/ QR/-X	2SC3928A/ QR/-X	2SC3928A/ QR/-X	2SC3928A/ QR/-X
Q617	2SC3928A/ QR/-X	2SC3928A/ QR/-X	2SC3928A/ QR/-X	2SC3928A/ QR/-X
IC604	MX3000CS-X	MX3000CS-X	MX3000CS-X	MX3000CS-X
IC608	MM3143DN-X	MM3143DN-X	MM3143DN-X	MM3143DN-X
IC609	OPEN	OPEN	OPEN	OPEN

	HD-61G887A HD-56G887A HD-52G887A	HD-61G657A HD-56G657A HD-52G657A	HD-61G587A HD-52G587A	HD-61G567A HD-52G567A
	OLLC09896	OLLC10118	OLLC10118 -02	
R654	OPEN	OPEN	OPEN	OPEN
R656	OPEN	OPEN	OPEN	OPEN
R659	OPEN	0	0	0
R660	OPEN	0	0	0
R661	10k	OPEN	OPEN	OPEN
R662	6.8k	OPEN	OPEN	OPEN
R663	6.8k	OPEN	OPEN	OPEN
R664	OPEN	OPEN	OPEN	OPEN
R665	OPEN	OPEN	OPEN	OPEN
R666	0	OPEN	OPEN	OPEN
R667	100	OPEN	OPEN	OPEN
R668	100	OPEN	OPEN	OPEN
R669	OPEN	OPEN	OPEN	OPEN
R670	OPEN	OPEN	OPEN	OPEN
R671	1M	OPEN	OPEN	OPEN
R710	10k	OPEN	OPEN	OPEN
R711	5.6k	OPEN	OPEN	OPEN
R712	100	OPEN	OPEN	OPEN
R713	100	OPEN	OPEN	OPEN
R773	3.3k	10k	10k	10k
R776	3.3k	10k	10k	10k
C670	1/16	OPEN	OPEN	OPEN
C671	1/16	OPEN	OPEN	OPEN
C672	0.47/10	OPEN	OPEN	OPEN
C673	OPEN	OPEN	OPEN	OPEN
C674	OPEN	OPEN	OPEN	OPEN
C675	2.2/6.3	OPEN	OPEN	OPEN
C676	2.2/6.3	OPEN	OPEN	OPEN
C677	33p	OPEN	OPEN	OPEN
C678	33p	OPEN	OPEN	OPEN
C729	22/6.3	OPEN	OPEN	OPEN
C730	10/16	OPEN	OPEN	OPEN
C731	0.1	OPEN	OPEN	OPEN
C732	1/16	OPEN	OPEN	OPEN
C733	0.015	OPEN	OPEN	OPEN
C735	33p	OPEN	OPEN	OPEN
C736	33p	OPEN	OPEN	OPEN
C737	10/16	OPEN	OPEN	OPEN
C738	0.1	OPEN	OPEN	OPEN
D614	OPEN	OPEN	OPEN	OPEN
D619	UDZW6.2B-X	OPEN	OPEN	OPEN
K605	NQR0499 -002X	OPEN	OPEN	OPEN
X601	NAX0857 -001X	OPEN	OPEN	OPEN
Q615	2SA812A /5-6/-X	OPEN	OPEN	OPEN
Q616	2SC1623A /5-6/-X	OPEN	OPEN	OPEN
Q617	2SC1623A /5-6/-X	OPEN	OPEN	OPEN
IC604	MX3000CS-X	OPEN	OPEN	OPEN
IC608	MM3143DN-X	OPEN	OPEN	OPEN
IC609	OPEN	OPEN	OPEN	OPEN

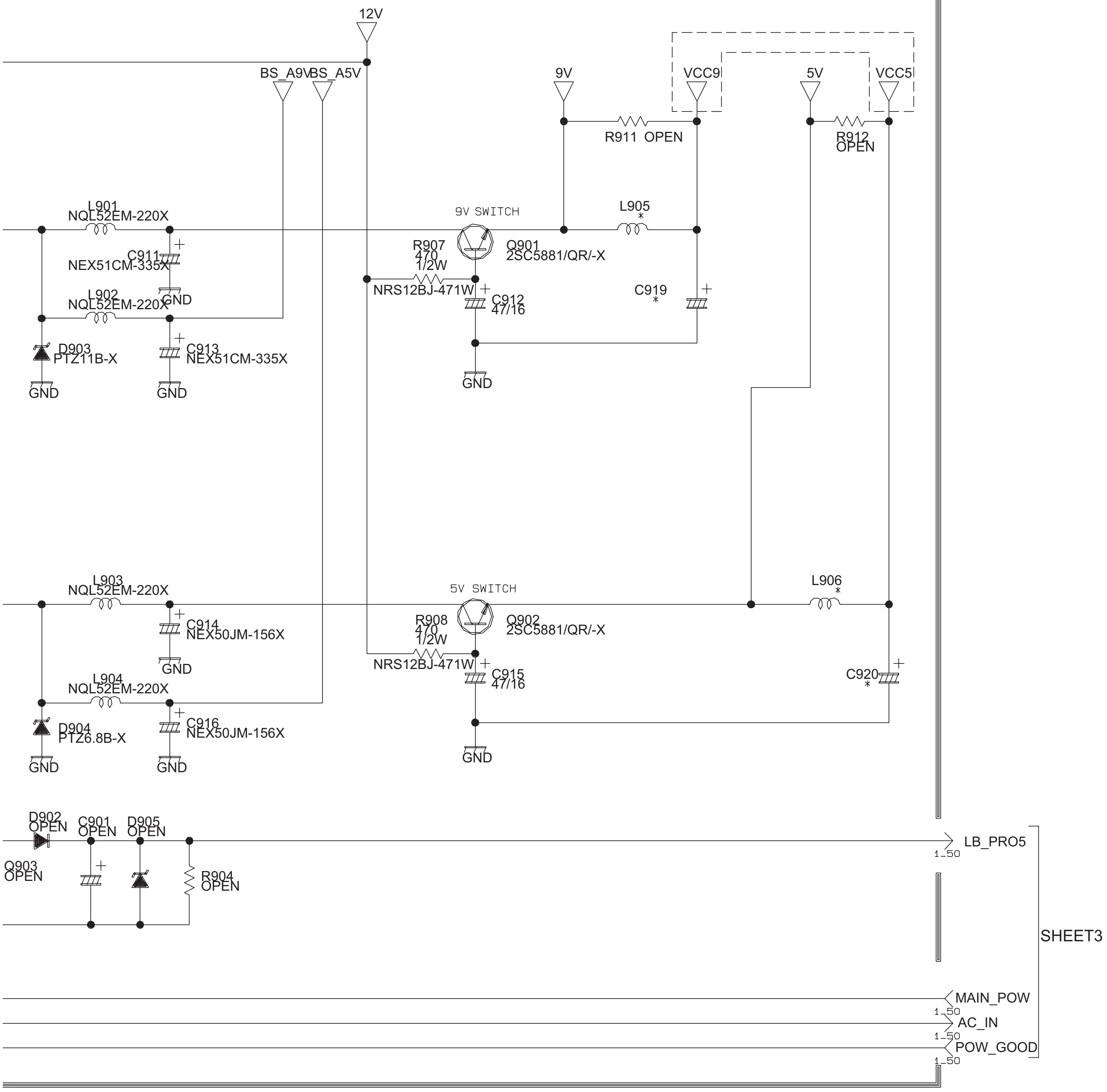
ANALOG PWB CIRCUIT DIAGRAM (6/6) [POWER BLOCK] SHEET 8


TUNER PWB ASS'Y(1/2)
CN0T2 (SHEET1)
QGA2001C6-03X
CN1T2
32V
NC
GND
GND
ILA5V
STB_5V
STB3.3V
IC902
MM1663DT-X
R917
0
NRSA02J-0R0X
C904
NCB11AK-106X
C905
47/16
NEHM1CM-476X
GND
CN1A3
QGA2001C6-12X
32V
12V
GND
9V
GND
5V
GND
NC
GND
SDA3A5
SCL3A5
GND
POWER PWB
ASS'Y(3/3)
CN9A3
(SHEET34)
GND
R913
OPEN
SCL3A5
SDA3A5
SHEET3,5,7
R914
OPEN
Y607 0
Y608 0
Y609 0
Y902 0
GND_S1
GND
Y604 0
Y605 0
Y606 0
Y904 0
GND_S3
GND
Y610 0
Y611 0
Y612 0
Y903 0
GND_S2
GND
Y601 0
Y602 0
Y603 0
Y905 0
GND_S4
GND
R901
OPEN
R903
OPEN
R902
OPEN
GND
CN1A2
QGA2001C6-05X
POWER
PWB
ASS'Y(1/3)
CN9A2
(SHEET32)
STB5V
GND
MAIN_POW
AC_IN
POW_GOOD
GND

			DSP					
	HD-61G887A HD-56G887A HD-52G887A	HD-61G657A HD-56G657A HD-52G657A	HD-61G587A HD-52G587A	HD-61G567A HD-52G567A	HD-70FH97A HD-61FH97A HD-56FH97A HD-52FH97A	HD-70FN97A HD-61FN97A HD-56FN97A HD-52FN97A	HD-61FC97A HD-56FC97A	HD-56FM97A
	OLLC09896	OLLC10118	OLLC10118-02		OLLC10494	OLLC10494-02		
C919	OPEN	OPEN	OPEN	OPEN	NEX51CM-335X	NEX51CM-335X	OPEN	OPEN
C920	OPEN	OPEN	OPEN	OPEN	NEX50JM-156X	NEX50JM-156X	OPEN	OPEN
L905	OPEN	OPEN	OPEN	OPEN	NQL52EM-220X	NQL52EM-220X	OPEN	OPEN
L906	OPEN	OPEN	OPEN	OPEN	NQL52EM-220X	NQL52EM-220X	OPEN	OPEN

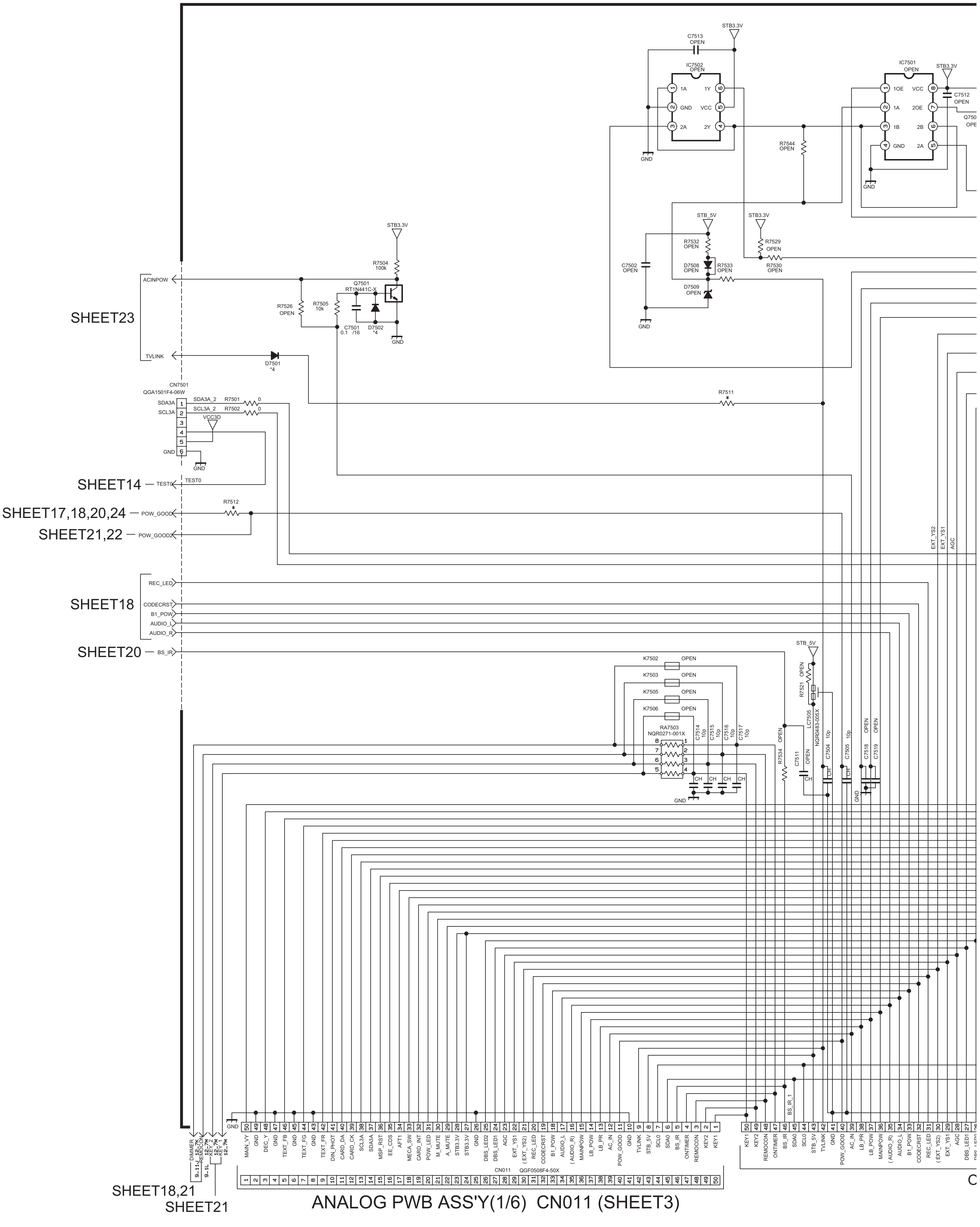
ANALOG PWB ASS'Y (6/6)

SRA-1012A-M2


12V
BS_A9V
BS_A5V
9V
VCC9
5V
VCC5
R911 OPEN
R912
OPEN
L901
NQL52EM-220X
C911
NEX51CM-335X
GND
L902
NQL52EM-220X
D903
PTZ11B-X
GND
C913
NEX51CM-335X
GND
9V SWITCH
R907
470
1/2W
NRS12BJ-471W
Q901
2SC5881/QR/-X
C912
47/16
GND
L905
*
C919
*
L903
NQL52EM-220X
C914
NEX50JM-156X
GND
L904
NQL52EM-220X
D904
PTZ6.8B-X
GND
C916
NEX50JM-156X
GND
5V SWITCH
R908
470
1/2W
NRS12BJ-471W
Q902
2SC5881/QR/-X
C915
47/16
GND
L906
*
C920
*
D902
OPEN
C901
OPEN
D905
OPEN
Q903
OPEN
R904
OPEN
LB_PRO5
1_50
SHEET3
MAIN_POW
1_50
AC_IN
1_50
POW_GOOD
1_50

c10447005_0214_5/6_0.0

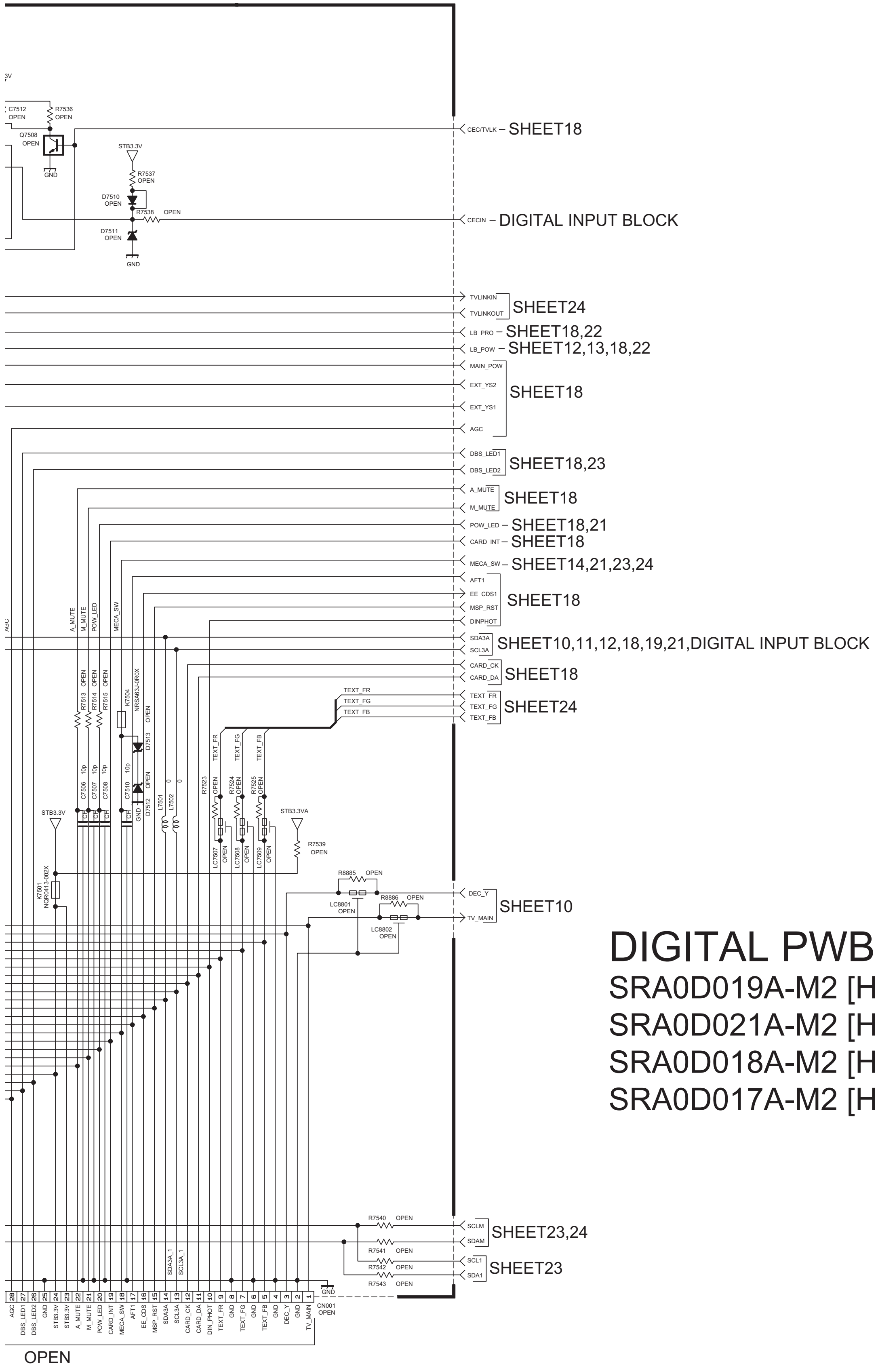
DIGITAL PWB CIRCUIT DIAGRAM (1/16) [CONNECTOR BASE BLOCK] SHEET 9



STB3.3V
C7513
OPEN
IC7502
OPEN
1A
1Y
GND
VCC
2A
2Y
GND
IC7501
OPEN
1OE
VCC
1A
2OE
1B
2B
GND
2A
C7512
OPEN
Q750
R7544
OPEN
STB_5V
R7532
OPEN
R7529
OPEN
C7502
OPEN
D7508
OPEN
R7533
OPEN
R7530
OPEN
D7509
OPEN
R7504
100k
Q7501
RT1N441C-X
R7526
OPEN
R7505
10k
C7501
0.1 /16
D7502
*4
ACINPOW
SHEET23
TVLINK
D7501
*4
CN7501
QGA1501F4-06W
SDA3A
SCL3A
SDA3A_2
SCL3A_2
R7501
R7502
0
VCC3D
GND
R7511
*
SHEET14
TEST0
R7512
*
SHEET17,18,20,24
POW_GOOD
SHEET21,22
POW_GOOD2
EXT_YS2
EXT_YS1
AGC
REC_LED
SHEET18
CODECRST
B1_POW
AUDIO_L
AUDIO_R
SHEET20
BS_IR
K7502
K7503
K7505
K7506
OPEN
RA7503
NQR0271-001X
C7514
C7515
C7516
C7517
10p
CH
R7521
LC7505
NQR0483-005X
R7534
C7511
C7504
C7505
C7518
C7519
DIMMER
9.1L
12.7K
REMOCON
KEY 2
KEY 1
12.7M
MAIN_VY
DEC_Y
TEXT_FB
TEXT_FG
TEXT_FR
DIN_PHOT
CARD_DA
CARD_CK
SCL3A
SDA3A
MSP_RST
EE_CDS
AFT1
MECA_SW
CARD_INT
POW_LED
M_MUTE
A_MUTE
STB3.3V
DBS_LED2
DBS_LED1
AGC
EXT_YS1
(EXT_YS2)
REC_LED
CODECRST
B1_POW
AUDIO_L
(AUDIO_R)
MAINPOW
LB_POW
LB_PR
AC_IN
POW_GOOD
TVLINK
STB_5V
SCL0
SDA0
BS_IR
ONTIMER
REMOCON
KEY2
KEY1
BS_IR_1
CN011 QGF0508F4-50X
SHEET18,21
SHEET21
ANALOG PWB ASS'Y(1/6) CN011 (SHEET3)
C

*** DIFFERENCE LIST**

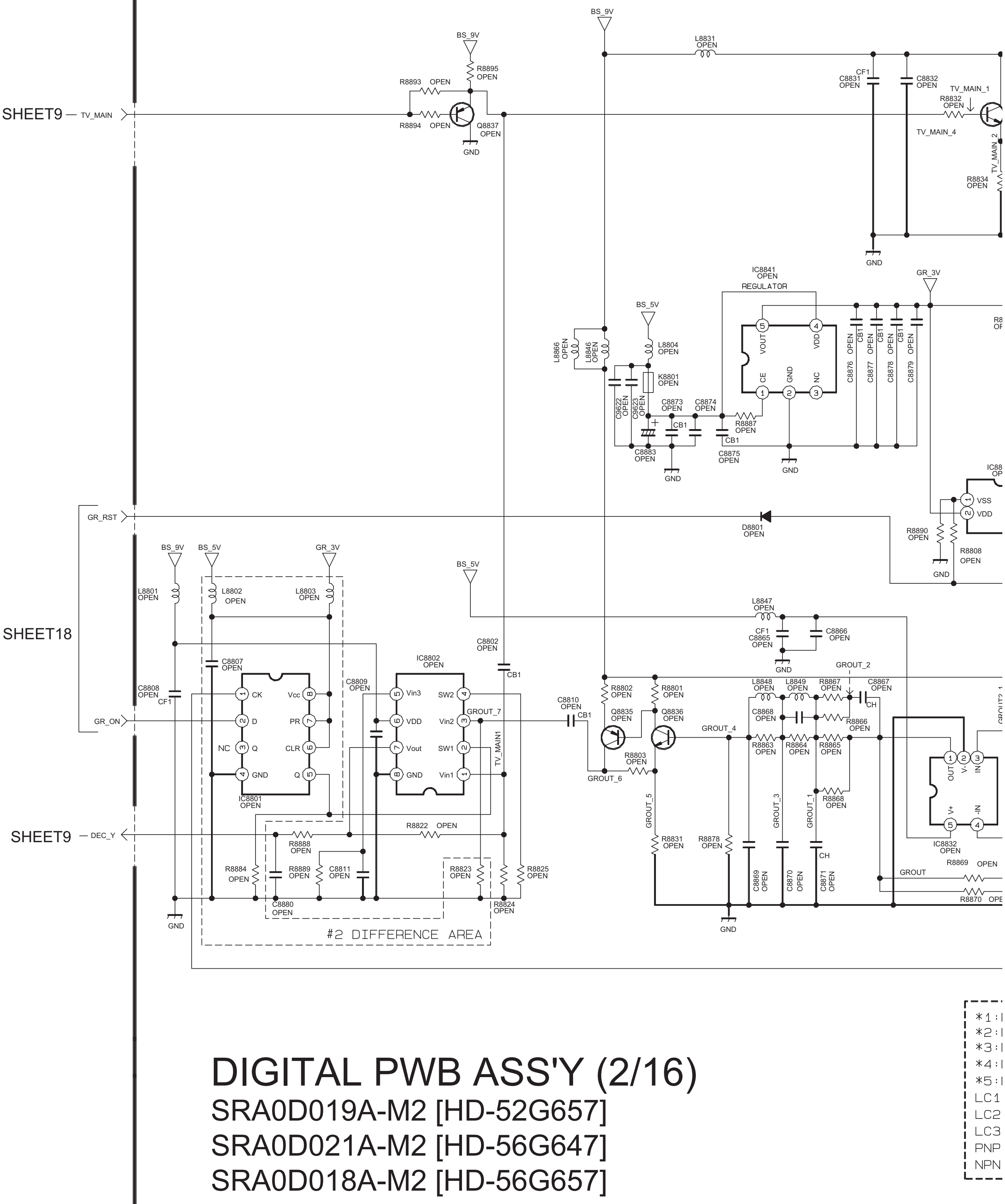
ASSY NO.	SRA -0D011A	SRA -0D012A	SRA -0D013A	SRA -0D014A	SRA -0D015A	SRA -0D016A	SRA -0D017A	SRA -0D018A	SRA -0D019A	SRA -0D020A	SRA -0D021A	SRA -0D022A	SRA -0D023A	SRA -0D024A
	OLLC09895	OLLC09895 -02	OLLC09895 -03	OLLC09895 -04	OLLC09895 -05	OLLC09895 -06	OLLC10086	OLLC10086 -02	OLLC10086 -03	OLLC10086 -04	OLLC10086 -05	OLLC10086 -06	OLLC10086 -07	OLLC10086 -08
R7511	OPEN	0	0	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7512	OPEN	0	0	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN


C7512
OPEN
R7536
OPEN
Q7508
OPEN
GND
STB3.3V
R7537
OPEN
D7510
OPEN
R7538
OPEN
D7511
OPEN
GND
CEC/TVLK – SHEET18
CECIN – DIGITAL INPUT BLOCK
TVLINKIN
TVLINKOUT
SHEET24
LB_PRO – SHEET18,22
LB_POW – SHEET12,13,18,22
MAIN_POW
EXT_YS2
EXT_YS1
AGC
SHEET18
DBS_LED1
DBS_LED2
SHEET18,23
A_MUTE
M_MUTE
SHEET18
POW_LED – SHEET18,21
CARD_INT – SHEET18
MECA_SW – SHEET14,21,23,24
AFT1
EE_CDS1
MSP_RST
DINPHOT
SHEET18
SDA3A
SCL3A
SHEET10,11,12,18,19,21,DIGITAL INPUT BLOCK
CARD_CK
CARD_DA
SHEET18
TEXT_FR
TEXT_FG
TEXT_FB
SHEET24
AGC
A_MUTE
M_MUTE
POW_LED
MECA_SW
R7513 OPEN
R7514 OPEN
R7515 OPEN
K7504
NRSA63J-0R0X
D7513
OPEN
C7506 10p
C7507 10p
C7508 10p
C7510 10p
CH
GND
D7512
OPEN
L7501 0
L7502 0
STB3.3V
K7501
NQR0413-002X
R7523
OPEN
R7524
OPEN
R7525
OPEN
TEXT_FR
TEXT_FG
TEXT_FB
LC7507
OPEN
LC7508
OPEN
LC7509
OPEN
STB3.3VA
R7539
OPEN
R8885 OPEN
LC8801
OPEN
R8886 OPEN
LC8802
OPEN
DEC_Y
TV_MAIN
SHEET10
R7540 OPEN
R7541 OPEN
R7542 OPEN
R7543 OPEN
SCLM
SDAM
SHEET23,24
SCL1
SDA1
SHEET23
SDA3A_1
SCL3A_1
GND
28 AGC
27 DBS_LED1
26 DBS_LED2
25 GND
24 STB3.3V
23 STB3.3V
22 A_MUTE
21 M_MUTE
20 POW_LED
19 CARD_INT
18 MECA_SW
17 AFT1
16 EE_CDS
15 MSP_RST
14 SDA3A
13 SCL3A
12 CARD_CK
11 CARD_DA
10 DIN_PHOT
9 TEXT_FR
8 GND
7 TEXT_FG
6 GND
5 TEXT_FB
4 GND
3 DEC_Y
2 GND
1 TV_MAIN
CN001
OPEN
OPEN

DIGITAL PWB ASS'Y (1/16)

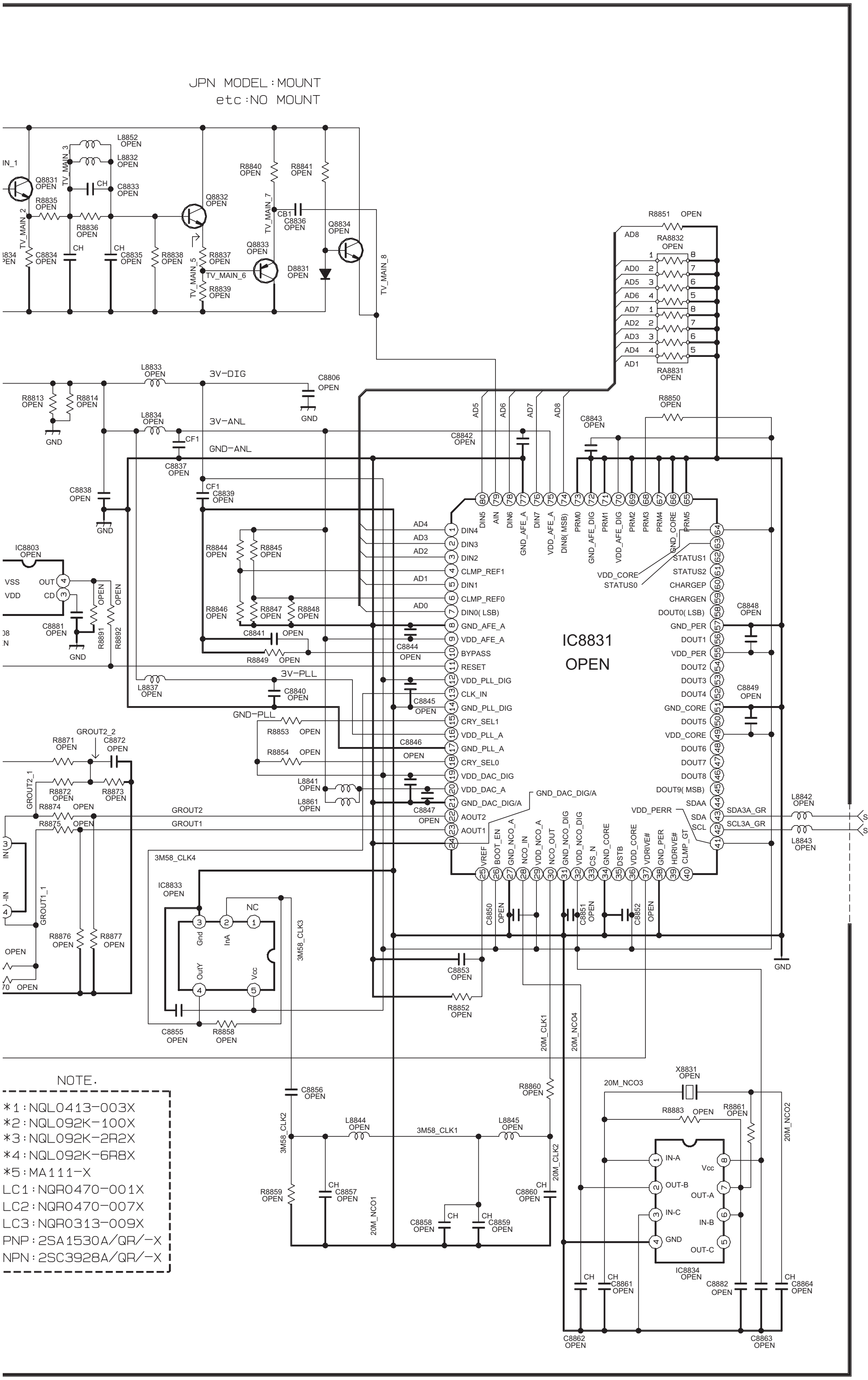
SRA0D019A-M2 [HD-52G657]
SRA0D021A-M2 [HD-56G647]
SRA0D018A-M2 [HD-56G657]
SRA0D017A-M2 [HD-61G657]

c10446011_0214_11/17_0.0


SHEET9 — TV_MAIN
SHEET18
GR_RST
GR_ON
SHEET9 — DEC_Y
BS_9V
BS_5V
GR_3V
R8893 OPEN
R8894 OPEN
R8895 OPEN
Q8837 OPEN
GND
L8831 OPEN
CF1
C8831 OPEN
C8832 OPEN
TV_MAIN_1
R8832 OPEN
TV_MAIN_4
TV_MAIN_2
R8834 OPEN
IC8841 OPEN
REGULATOR
VOUT
VDD
CE
GND
NC
L8866 OPEN
L8846 OPEN
L8804 OPEN
K8801 OPEN
C9622 OPEN
C9623 OPEN
C8873 OPEN
C8874 OPEN
CB1
R8887 OPEN
C8883 OPEN
C8875 OPEN
C8876 OPEN
C8877 OPEN
C8878 OPEN
C8879 OPEN
VSS
VDD
D8801 OPEN
R8890 OPEN
R8808 OPEN
L8801 OPEN
L8802 OPEN
L8803 OPEN
C8807 OPEN
C8808 OPEN
IC8801 OPEN
CK
D
Q
NC
GND
Vcc
PR
CLR
IC8802 OPEN
C8809 OPEN
C8802 OPEN
Vin3
VDD
Vout
GND
SW2
Vin2
SW1
Vin1
GROUT_7
TV_MAIN1
C8810 OPEN
L8847 OPEN
C8865 OPEN
C8866 OPEN
GROUT_2
R8802 OPEN
R8801 OPEN
Q8835 OPEN
Q8836 OPEN
R8803 OPEN
GROUT_6
GROUT_4
GROUT_5
GROUT_3
GROUT_1
L8848 OPEN
L8849 OPEN
R8867 OPEN
C8867 OPEN
CH
C8868 OPEN
R8866 OPEN
R8863 OPEN
R8864 OPEN
R8865 OPEN
R8868 OPEN
R8831 OPEN
R8878 OPEN
C8869 OPEN
C8870 OPEN
C8871 OPEN
OUT
V-
IN
V+
-IN
IC8832 OPEN
R8869 OPEN
GROUT
R8870 OPEN
R8822 OPEN
R8888 OPEN
R8884 OPEN
R8889 OPEN
C8811 OPEN
R8823 OPEN
R8825 OPEN
R8824 OPEN
C8880 OPEN
#2 DIFFERENCE AREA
*1:
*2:
*3:
*4:
*5:
LC1
LC2
LC3
PNP
NPN

DIGITAL PWB ASS'Y (2/16)

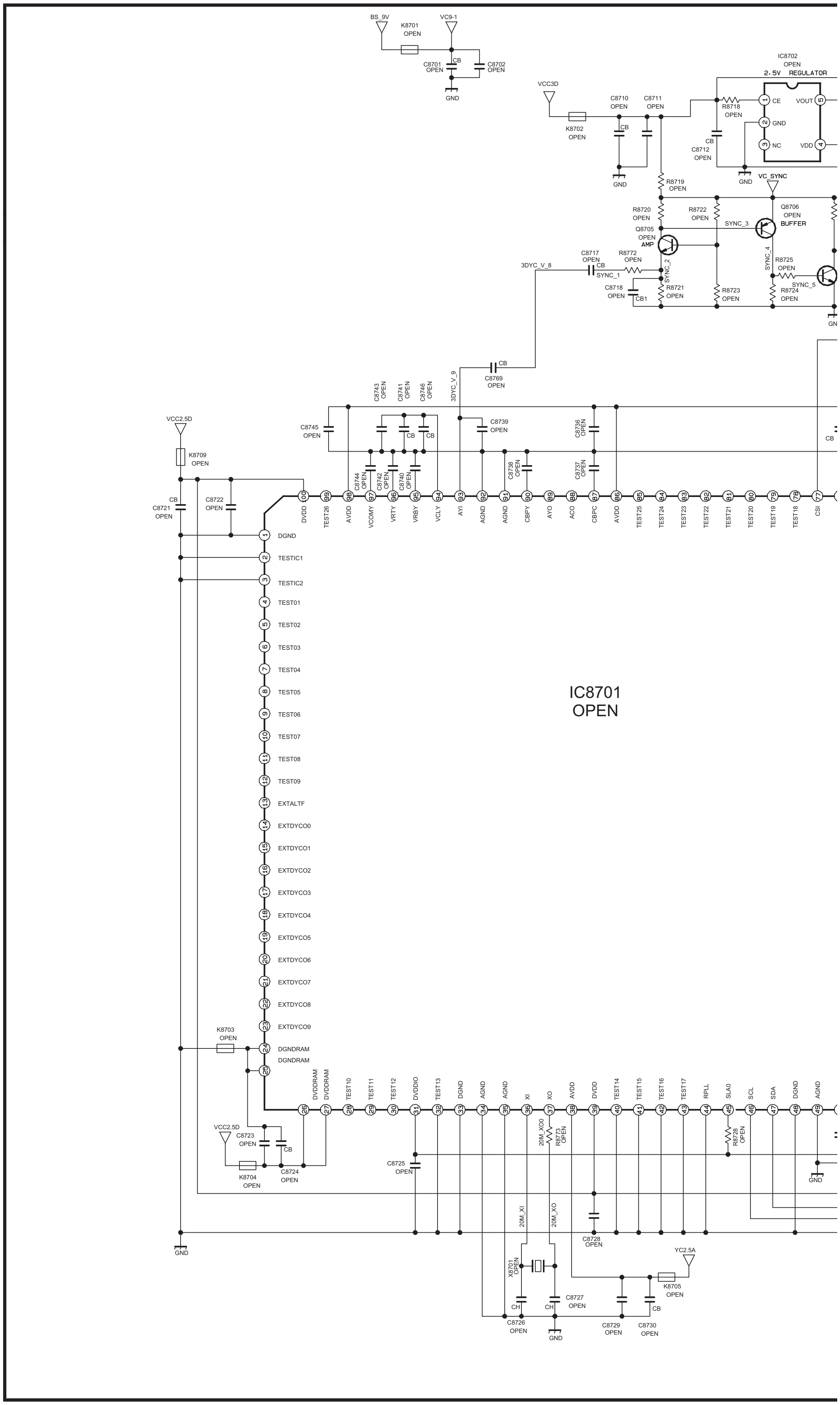
SRA0D019A-M2 [HD-52G657]
SRA0D021A-M2 [HD-56G647]
SRA0D018A-M2 [HD-56G657]
SRA0D017A-M2 [HD-61G657]


JPN MODEL:MOUNT
etc:NO MOUNT
IC8831
OPEN
IC8833
OPEN
IC8834
OPEN
IC8803
OPEN
Q8831 OPEN
Q8832 OPEN
Q8833 OPEN
Q8834 OPEN
D8831 OPEN
X8831 OPEN
RA8831 OPEN
RA8832 OPEN
R8851 OPEN
R8850 OPEN
L8833 OPEN
L8834 OPEN
L8837 OPEN
L8841 OPEN
L8861 OPEN
L8842 OPEN
L8843 OPEN
L8844 OPEN
L8845 OPEN
3V-DIG
3V-ANL
GND-ANL
3V-PLL
GND-PLL
GND_DAC_DIG/A
TV_MAIN_2
TV_MAIN_3
TV_MAIN_5
TV_MAIN_6
TV_MAIN_7
TV_MAIN_8
AD0
AD1
AD2
AD3
AD4
AD5
AD6
AD7
AD8
GROUT1
GROUT2
GROUT1_1
GROUT2_1
GROUT2_2
3M58_CLK1
3M58_CLK2
3M58_CLK3
3M58_CLK4
20M_CLK1
20M_CLK2
20M_NCO1
20M_NCO2
20M_NCO3
20M_NCO4
DIN4
DIN3
DIN2
CLMP_REF1
DIN1
CLMP_REF0
DIN0(LSB)
GND_AFE_A
VDD_AFE_A
BYPASS
RESET
VDD_PLL_DIG
CLK_IN
GND_PLL_DIG
CRY_SEL1
VDD_PLL_A
GND_PLL_A
CRY_SEL0
VDD_DAC_DIG
VDD_DAC_A
GND_DAC_DIG/A
AOUT2
AOUT1
VREF
BOOT_EN
GND_NCO_A
NCO_IN
VDD_NCO_A
NCO_OUT
GND_NCO_DIG
VDD_NCO_DIG
CS_N
GND_CORE
DSTB
VDD_CORE
VDRIVE#
GND_PER
HDRIVE#
CLMP_GT
SCL
SDA
SDAA
DOUT9(MSB)
DOUT8
DOUT7
DOUT6
VDD_CORE
DOUT5
GND_CORE
DOUT4
DOUT3
DOUT2
VDD_PER
DOUT1
GND_PER
DOUT0(LSB)
CHARGEN
CHARGEP
STATUS2
STATUS1
STATUS0
PRM5
PRM4
PRM3
PRM2
VDD_AFE_DIG
PRM1
GND_AFE_DIG
PRM0
DIN8(MSB)
VDD_AFE_A
DIN7
GND_AFE_A
DIN6
AIN
DIN5
VDD_PERR
SDA3A_GR
SCL3A_GR
SDA3A
SCL3A
SHEET9,11,12,18,19,21
DIGITAL INPUT BLOCK
GND

NOTE.

*1:NQL0413-003X
*2:NQL092K-100X
*3:NQL092K-2R2X
*4:NQL092K-6R8X
*5:MA111-X
LC1:NQR0470-001X
LC2:NQR0470-007X
LC3:NQR0313-009X
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X

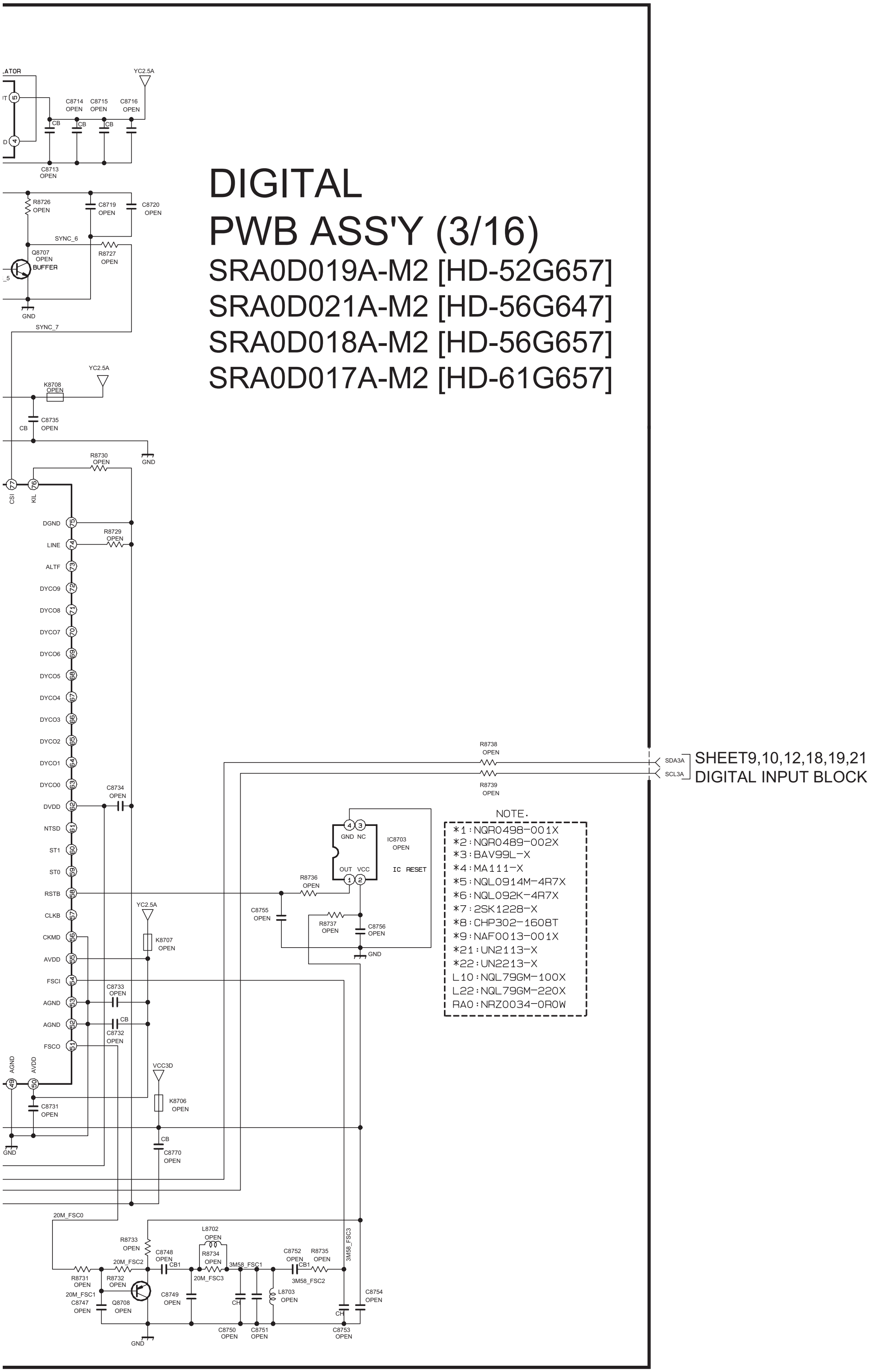
DIGITAL PWB CIRCUIT DIAGRAM (3/16) [Y/C SEPARATOR BLOCK (OPTIONAL)] SHEET 11



BS_9V
K8701 OPEN
VC9-1
C8701 OPEN
CB
C8702 OPEN
GND
VCC3D
K8702 OPEN
C8710 OPEN
C8711 OPEN
IC8702 OPEN
2.5V REGULATOR
R8718 OPEN
CE
VOUT
GND
NC
VDD
C8712 OPEN
VC_SYNC
R8719 OPEN
R8720 OPEN
R8722 OPEN
Q8705 OPEN AMP
SYNC_3
Q8706 OPEN BUFFER
3DYC_V_8
C8717 OPEN
R8772 OPEN
SYNC_1
SYNC_2
SYNC_4
R8725 OPEN
SYNC_5
R8724 OPEN
C8718 OPEN
CB1
R8721 OPEN
R8723 OPEN
C8769 OPEN
3DYC_V_9
C8743 OPEN
C8741 OPEN
C8746 OPEN
C8745 OPEN
C8739 OPEN
C8736 OPEN
C8737 OPEN
C8744 OPEN
C8742 OPEN
C8740 OPEN
C8738 OPEN
VCC2.5D
K8709 OPEN
C8721 OPEN
C8722 OPEN
DVDD
TEST26
AVDD
VCOMY
VRTY
VRBY
VCLY
AYI
AGND
AGND
CBPY
AYO
ACO
CBPC
AVDD
TEST25
TEST24
TEST23
TEST22
TEST21
TEST20
TEST19
TEST18
CSI
DGND
TESTIC1
TESTIC2
TEST01
TEST02
TEST03
TEST04
TEST05
TEST06
TEST07
TEST08
TEST09
EXTALTF
EXTDYCO0
EXTDYCO1
EXTDYCO2
EXTDYCO3
EXTDYCO4
EXTDYCO5
EXTDYCO6
EXTDYCO7
EXTDYCO8
EXTDYCO9
DGNDRAM
DGNDRAM
IC8701 OPEN
K8703 OPEN
DVDDRAM
DVDDRAM
TEST10
TEST11
TEST12
DVDDIO
TEST13
DGND
AGND
AGND
XI
XO
AVDD
DVDD
TEST14
TEST15
TEST16
TEST17
RPLL
SLA0
SCL
SDA
DGND
AGND
VCC2.5D
C8723 OPEN
K8704 OPEN
C8724 OPEN
C8725 OPEN
20M_XO0
R8773 OPEN
R8726 OPEN
20M_XI
20M_XO
C8728 OPEN
YC2.5A
X8701 OPEN
CH
C8727 OPEN
K8705 OPEN
C8726 OPEN
C8729 OPEN
C8730 OPEN
GND

DIGITAL
PWB ASS'Y (3/16)

SRA0D019A-M2 [HD-52G657]
SRA0D021A-M2 [HD-56G647]
SRA0D018A-M2 [HD-56G657]
SRA0D017A-M2 [HD-61G657]

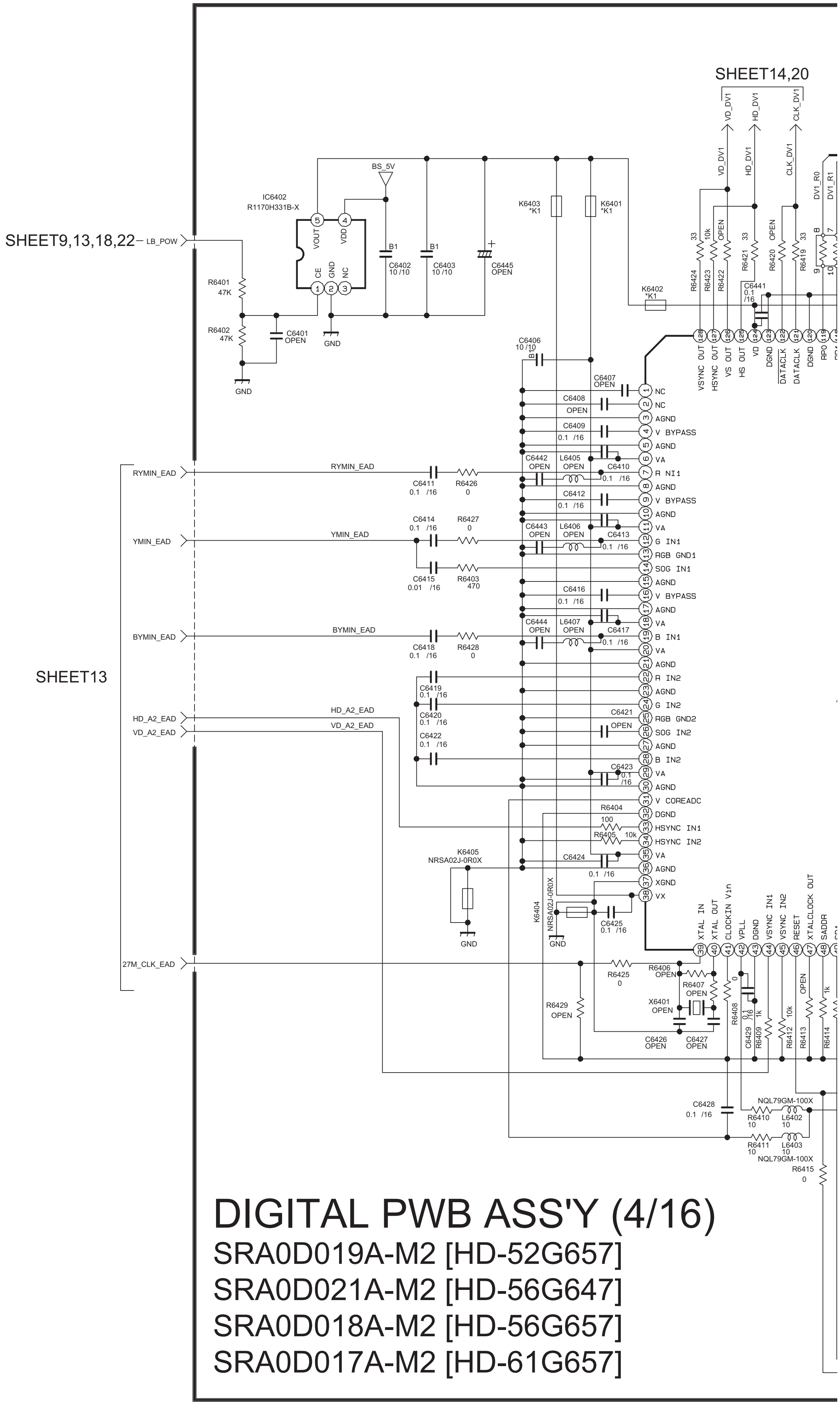


LATOR
YC2.5A
C8714 OPEN
C8715 OPEN
C8716 OPEN
CB
CB
CB
C8713 OPEN
R8726 OPEN
C8719 OPEN
C8720 OPEN
SYNC_6
Q8707 OPEN BUFFER
R8727 OPEN
GND
SYNC_7
YC2.5A
K8708 OPEN
CB
C8735 OPEN
GND
R8730 OPEN
CSI 77
KIL 76
DGND 75
LINE 74
R8729 OPEN
ALTF 73
DYCO9 72
DYCO8 71
DYCO7 70
DYCO6 69
DYCO5 68
DYCO4 67
DYCO3 66
DYCO2 65
DYCO1 64
DYCO0 63
DVDD 62
C8734 OPEN
NTSD 61
ST1 60
ST0 59
RSTB 58
CLKB 57
CKMD 56
AVDD 55
FSCI 54
AGND 53
AGND 52
FSCO 51
AGND 49
AVDD 50
YC2.5A
K8707 OPEN
C8733 OPEN
CB
C8732 OPEN
VCC3D
K8706 OPEN
C8731 OPEN
GND
CB
C8770 OPEN
R8738 OPEN
R8739 OPEN
SDA3A
SCL3A
SHEET9,10,12,18,19,21
DIGITAL INPUT BLOCK
GND NC
OUT VCC
IC8703 OPEN
IC RESET
R8736 OPEN
C8755 OPEN
R8737 OPEN
C8756 OPEN
GND
20M_FSC0
R8733 OPEN
C8748 OPEN
CB1
L8702 OPEN
R8734 OPEN
3M58_FSC1
C8752 OPEN
CB1
R8735 OPEN
3M58_FSC3
20M_FSC2
20M_FSC3
3M58_FSC2
R8731 OPEN
R8732 OPEN
20M_FSC1
C8747 OPEN
Q8708 OPEN
C8749 OPEN
CH
L8703 OPEN
CH
C8754 OPEN
C8750 OPEN
C8751 OPEN
C8753 OPEN
GND

NOTE.

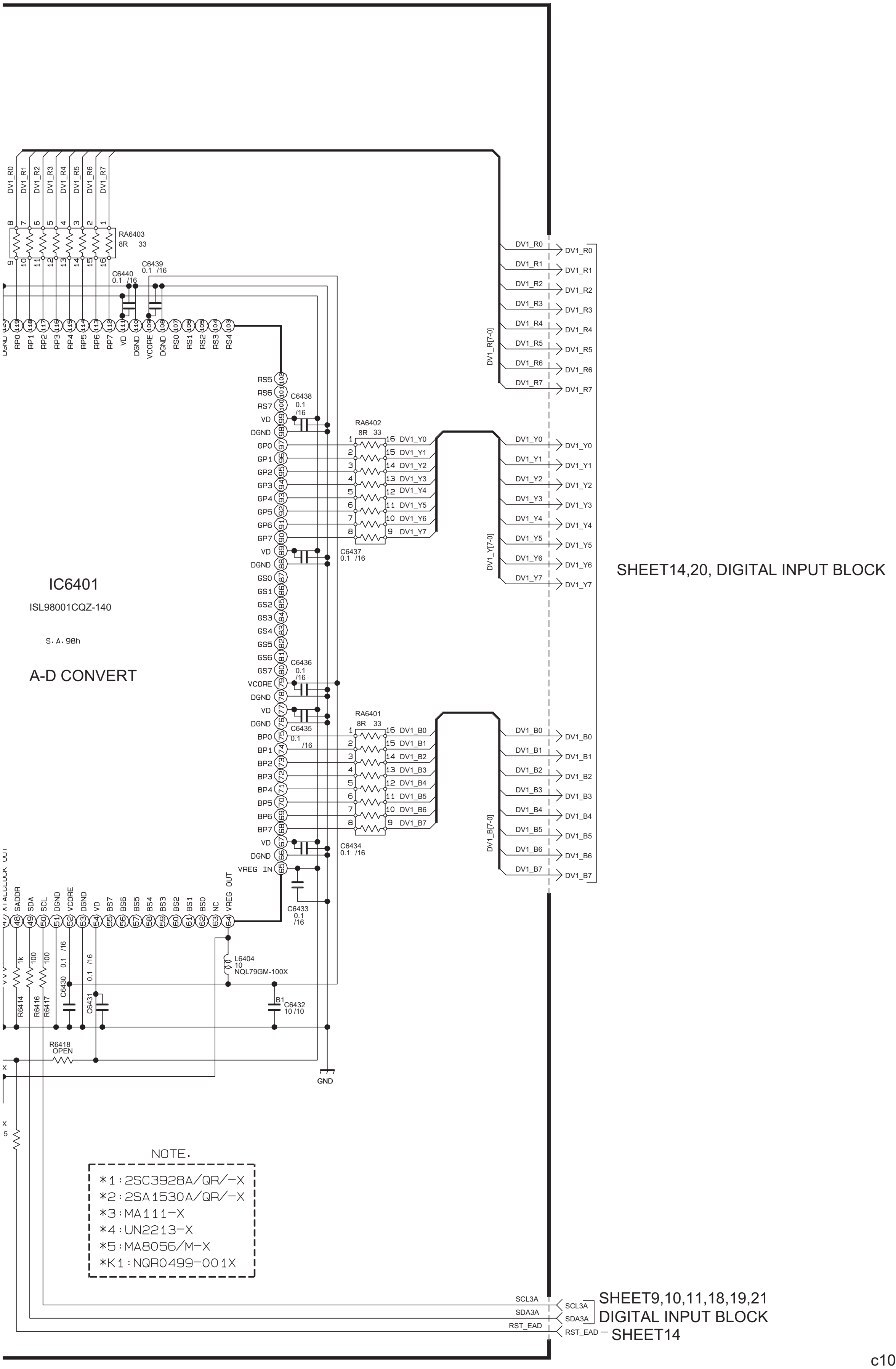
*1:NQR0498-001X
*2:NQR0489-002X
*3:BAV99L-X
*4:MA111-X
*5:NQL0914M-4R7X
*6:NQL092K-4R7X
*7:2SK1228-X
*8:CHP302-1608T
*9:NAF0013-001X
*21:UN2113-X
*22:UN2213-X
L10:NQL79GM-100X
L22:NQL79GM-220X
RA0:NRZ0034-0R0W

DIGITAL PWB CIRCUIT DIAGRAM (4/16) [A/D CONVERTER BLOCK] SHEET 12


SHEET14,20
VD_DV1
HD_DV1
CLK_DV1
DV1_R0
DV1_R1
BS_5V
IC6402
R1170H331B-X
VOUT
VDD
CE
GND
NC
SHEET9,13,18,22
LB_POW
R6401
47K
R6402
47K
C6401
OPEN
GND
C6402
10 /10
C6403
10 /10
C6445
OPEN
B1
K6403
*K1
K6401
*K1
K6402
*K1
C6441
0.1
/16
R6424
33
R6423
10k
R6422
OPEN
R6421
33
R6420
OPEN
R6419
33
C6406
10 /10
C6407
OPEN
C6408
OPEN
C6409
0.1 /16
C6442
OPEN
L6405
OPEN
C6410
0.1 /16
C6412
0.1 /16
C6443
OPEN
L6406
OPEN
C6413
0.1 /16
C6416
0.1 /16
C6444
OPEN
L6407
OPEN
C6417
0.1 /16
C6421
OPEN
C6423
0.1
/16
R6404
100
R6405
10k
C6424
0.1 /16
C6425
0.1 /16
K6404
NRSA02J-0R0X
K6405
NRSA02J-0R0X
RYMIN_EAD
YMIN_EAD
BYMIN_EAD
HD_A2_EAD
VD_A2_EAD
27M_CLK_EAD
SHEET13
C6411
0.1 /16
R6426
0
C6414
0.1 /16
R6427
0
C6415
0.01 /16
R6403
470
C6418
0.1 /16
R6428
0
C6419
0.1 /16
C6420
0.1 /16
C6422
0.1 /16
1 NC
2 NC
3 AGND
4 V BYPASS
5 AGND
6 VA
7 R IN1
8 AGND
9 V BYPASS
10 AGND
11 VA
12 G IN1
13 RGB GND1
14 SOG IN1
15 AGND
16 V BYPASS
17 AGND
18 VA
19 B IN1
20 VA
21 AGND
22 R IN2
23 AGND
24 G IN2
25 RGB GND2
26 SOG IN2
27 AGND
28 B IN2
29 VA
30 AGND
31 V COREADC
32 DGND
33 HSYNC IN1
34 HSYNC IN2
35 VA
36 AGND
37 XGND
38 VX
128 VSYNC OUT
127 HSYNC OUT
126 VS OUT
125 HS OUT
124 VD
123 DGND
122 DATACLK
121 DATACLK
120 DGND
119 RP0
39 XTAL IN
40 XTAL OUT
41 CLOCKIN Vin
42 VPLL
43 DGND
44 VSYNC IN1
45 VSYNC IN2
46 RESET
47 XTALCLOCK OUT
48 SADDR
R6425
0
R6406
OPEN
R6407
OPEN
X6401
OPEN
R6429
OPEN
C6426
OPEN
C6427
OPEN
R6408
0
C6429
0.1
/16
R6409
1k
R6412
10k
R6413
OPEN
R6414
1k
C6428
0.1 /16
NQL79GM-100X
R6410
10
L6402
10
R6411
10
L6403
10
R6415
0

DIGITAL PWB ASS'Y (4/16)

SRA0D019A-M2 [HD-52G657]
SRA0D021A-M2 [HD-56G647]
SRA0D018A-M2 [HD-56G657]
SRA0D017A-M2 [HD-61G657]

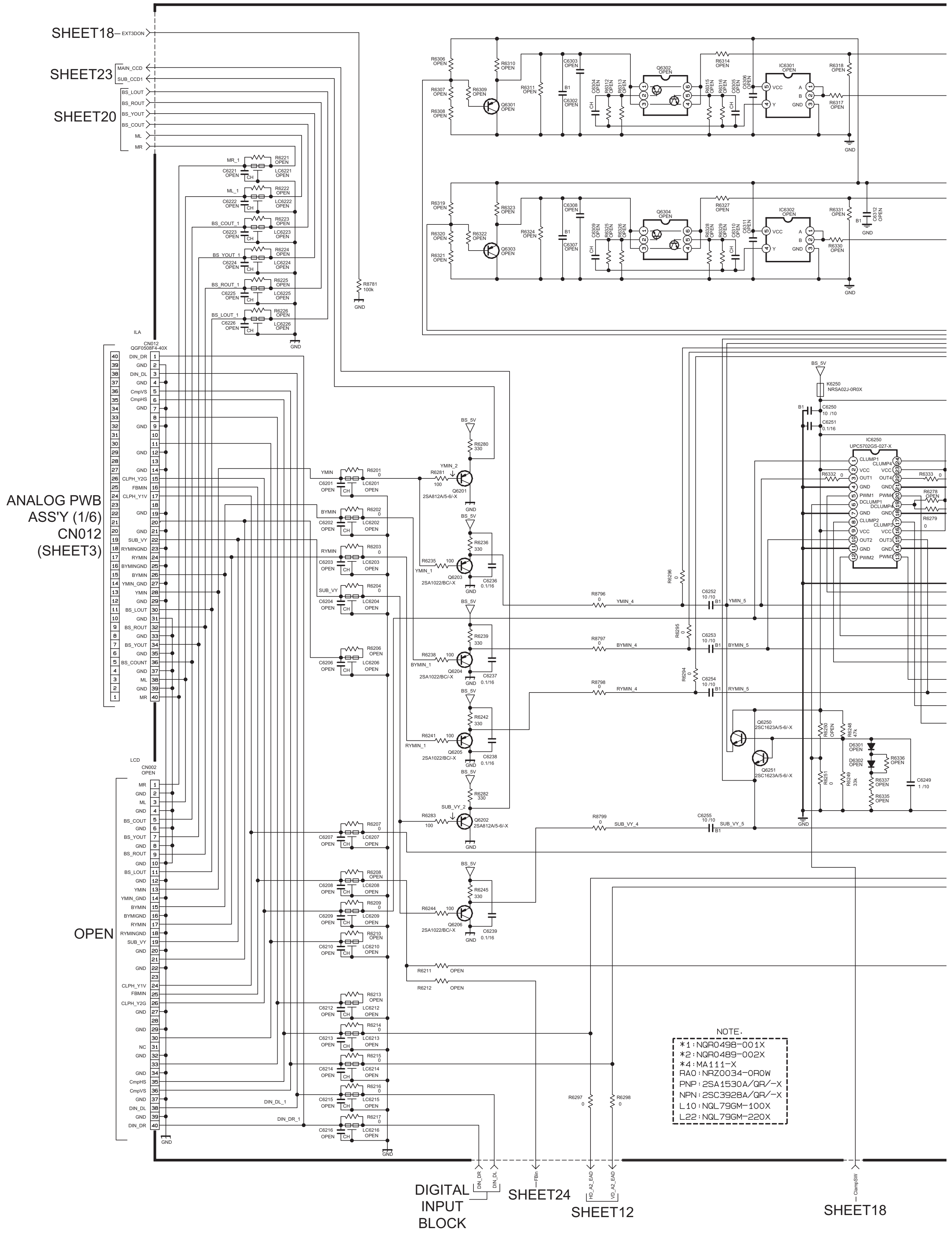


IC6401
ISL98001CQZ-140
S.A.98h
A-D CONVERT
RA6403
8R 33
RA6402
8R 33
RA6401
8R 33
C6440
0.1 /16
C6439
0.1 /16
C6438
0.1
/16
C6437
0.1 /16
C6436
0.1
/16
C6435
0.1
/16
C6434
0.1 /16
C6433
0.1
/16
C6430
0.1 /16
C6431
0.1 /16
C6432
10 /10
B1
L6404
10
NQL79GM-100X
R6414
1k
R6416
100
R6417
100
R6418
OPEN
GND
DGND
RP0
RP1
RP2
RP3
RP4
RP5
RP6
RP7
VD
DGND
VCORE
DGND
RS0
RS1
RS2
RS3
RS4
RS5
RS6
RS7
VD
DGND
GP0
GP1
GP2
GP3
GP4
GP5
GP6
GP7
VD
DGND
GS0
GS1
GS2
GS3
GS4
GS5
GS6
GS7
VCORE
DGND
VD
DGND
BP0
BP1
BP2
BP3
BP4
BP5
BP6
BP7
VD
DGND
VREG IN
XTALCLOCK OUT
SADDR
SDA
SCL
DGND
VCORE
DGND
VD
BS7
BS6
BS5
BS4
BS3
BS2
BS1
BS0
NC
VREG OUT
DV1_R0
DV1_R1
DV1_R2
DV1_R3
DV1_R4
DV1_R5
DV1_R6
DV1_R7
DV1_R[7-0]
DV1_Y0
DV1_Y1
DV1_Y2
DV1_Y3
DV1_Y4
DV1_Y5
DV1_Y6
DV1_Y7
DV1_Y[7-0]
DV1_B0
DV1_B1
DV1_B2
DV1_B3
DV1_B4
DV1_B5
DV1_B6
DV1_B7
DV1_B[7-0]
SCL3A
SDA3A
RST_EAD
SHEET14,20, DIGITAL INPUT BLOCK
SHEET9,10,11,18,19,21
DIGITAL INPUT BLOCK
SHEET14

NOTE.

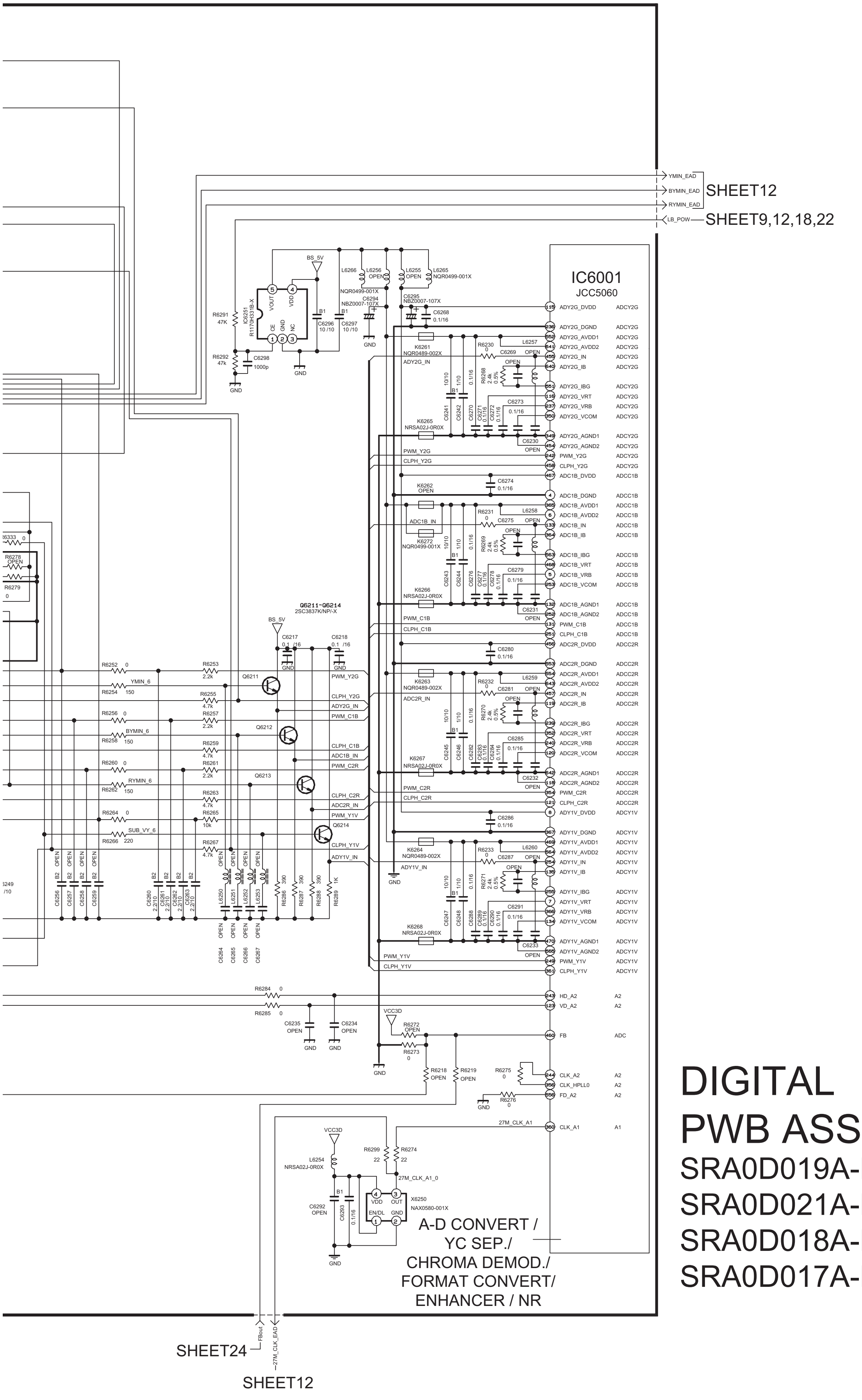
*1:2SC3928A/QR/-X
*2:2SA1530A/QR/-X
*3:MA111-X
*4:UN2213-X
*5:MA8056/M-X
*K1:NQR0499-001X

DIGITAL PWB CIRCUIT DIAGRAM (5/16) [INPUT I/F BLOCK (ANALOG)] SHEET 13



SHEET18
EXT3DON
SHEET23
MAIN_CCD
SUB_CCD1
SHEET20
BS_LOUT
BS_ROUT
BS_YOUT
BS_COUT
ML
MR
MR_1
R6221 OPEN
C6221 OPEN
LC6221 OPEN
ML_1
R6222 OPEN
C6222 OPEN
LC6222 OPEN
BS_COUT_1
R6223 OPEN
C6223 OPEN
LC6223 OPEN
BS_YOUT_1
R6224 OPEN
C6224 OPEN
LC6224 OPEN
BS_ROUT_1
R6225 OPEN
C6225 OPEN
LC6225 OPEN
BS_LOUT_1
R6226 OPEN
C6226 OPEN
LC6226 OPEN
CH
GND
R8781 100k
ILA
CN012
QGF0508F4-40X
ANALOG PWB ASS'Y (1/6) CN012 (SHEET3)
DIN_DR
DIN_DL
CmpVS
CmpHS
CLPH_Y2G
FBMIN
CLPH_Y1V
SUB_VY
RYMINGND
RYMIN
BYMINGND
BYMIN
YMIN_GND
YMIN
BS_LOUT
BS_ROUT
BS_YOUT
BS_COUNT
LCD
CN002 OPEN
OPEN
BS_COUT
BYMIGND
NC
R6306 OPEN
R6307 OPEN
R6308 OPEN
R6309 OPEN
R6310 OPEN
Q6301 OPEN
R6311 OPEN
C6303 OPEN
B1
C6302 OPEN
C6304 OPEN
R6312 OPEN
R6313 OPEN
Q6302 OPEN
R6315 OPEN
R6316 OPEN
C6305 OPEN
C6306 OPEN
R6314 OPEN
IC6301 OPEN
VCC
Y
GND
A
B
R6318 OPEN
R6317 OPEN
R6319 OPEN
R6320 OPEN
R6321 OPEN
R6322 OPEN
R6323 OPEN
Q6303 OPEN
R6324 OPEN
C6308 OPEN
C6307 OPEN
C6309 OPEN
R6325 OPEN
R6326 OPEN
Q6304 OPEN
R6328 OPEN
R6329 OPEN
C6310 OPEN
C6311 OPEN
R6327 OPEN
IC6302 OPEN
R6331 OPEN
C6312 OPEN
R6330 OPEN
BS_5V
R6280 330
YMIN_2
R6281 100
Q6201 2SA812A/5-6/-X
YMIN
R6201 0
C6201 OPEN
LC6201 OPEN
BYMIN
R6202 0
C6202 OPEN
LC6202 OPEN
R6236 330
R6235 100
YMIN_1
Q6203 2SA1022/BC/-X
C6236 0.1/16
R6203 0
C6203 OPEN
LC6203 OPEN
R6204 0
C6204 OPEN
LC6204 OPEN
R6239 330
R6238 100
BYMIN_1
Q6204 2SA1022/BC/-X
C6237 0.1/16
R6206 OPEN
C6206 OPEN
LC6206 OPEN
R6242 330
R6241 100
RYMIN_1
Q6205 2SA1022/BC/-X
C6238 0.1/16
R6282 330
SUB_VY_2
R6283 100
Q6202 2SA812A/5-6/-X
R6207 0
C6207 OPEN
LC6207 OPEN
R6208 OPEN
C6208 OPEN
LC6208 OPEN
R6245 330
R6244 100
Q6206 2SA1022/BC/-X
C6239 0.1/16
R6209 0
C6209 OPEN
LC6209 OPEN
R6210 OPEN
C6210 OPEN
LC6210 OPEN
R6211 OPEN
R6212 OPEN
R6213 OPEN
C6212 OPEN
LC6212 OPEN
R6214 0
C6213 OPEN
LC6213 OPEN
R6215 0
C6214 OPEN
LC6214 OPEN
R6216 0
C6215 OPEN
LC6215 OPEN
DIN_DL_1
R6217 0
C6216 OPEN
LC6216 OPEN
DIN_DR_1
R8796 0
YMIN_4
R6296 0
C6252 10 /10
YMIN_5
R8797 0
BYMIN_4
R6295 0
C6253 10 /10
BYMIN_5
R8798 0
RYMIN_4
R6294 0
C6254 10 /10
RYMIN_5
R8799 0
SUB_VY_4
C6255 10 /10
SUB_VY_5
K6250 NRSA02J-0R0X
C6250 10 /10
C6251 0.1/16
IC6250
UPC5702GS-027-X
CLUMP1
CLUMP4
OUT1
OUT4
PWM1
PWM4
DCLUMP1
DCLUMP4
CLUMP2
CLUMP3
OUT2
OUT3
PWM2
PWM3
R6332 0
R6333 0
R6278 OPEN
R6279 0
Q6250 2SC1623A/5-6/-X
Q6251 2SC1623A/5-6/-X
R6250 OPEN
R6248 47k
R6251 0
R6249 33k
D6301 OPEN
D6302 OPEN
R6336 OPEN
R6337 OPEN
R6335 OPEN
C6249 1 /10
R6297 0
R6298 0
DIN_DR
DIN_DL
DIGITAL INPUT BLOCK
FBin
SHEET24
HD_A2_EAD
VD_A2_EAD
SHEET12
ClampSW
SHEET18

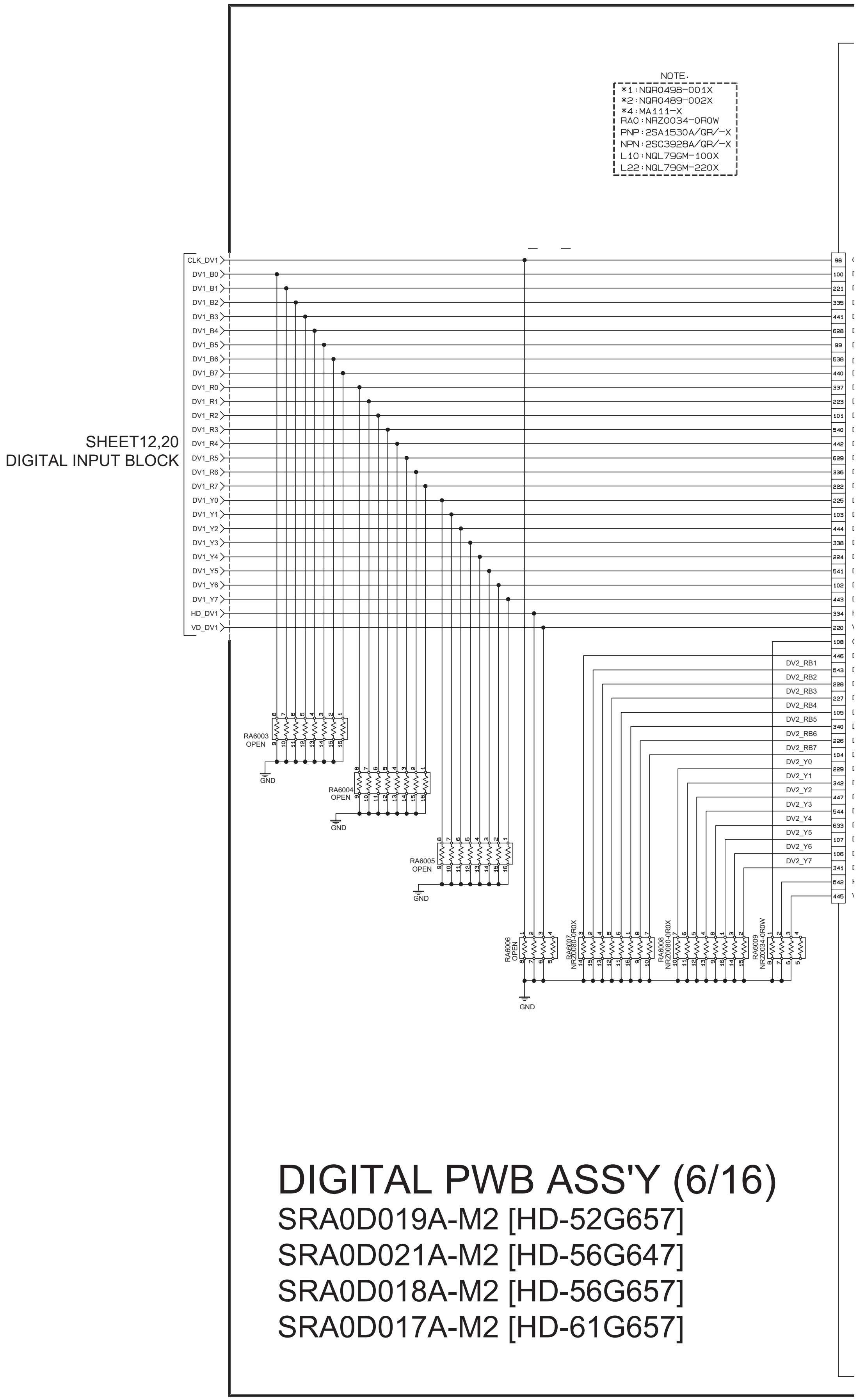
NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X


YMIN_EAD
BYMIN_EAD
RYMIN_EAD
SHEET12
LB_POW
SHEET9,12,18,22
IC6001
JCC5060
BS_5V
R6291 47K
R6292 47k
IC6251 R1170H331B-X
VOUT
VDD
CE
GND
NC
C6298 1000p
C6296 10 /10
C6297 10 /10
L6266 NQR0499-001X
L6256 OPEN
L6255 OPEN
L6265 NQR0499-001X
C6294 NBZ0007-107X
C6295 NBZ0007-107X
C6268 0.1/16
K6261 NQR0489-002X
ADY2G_IN
R6230 0
C6269 OPEN
L6257
R6268 2.4k 0.5%
C6273 0.1/16
K6265 NRSA02J-0R0X
C6230 OPEN
PWM_Y2G
CLPH_Y2G
K6262 OPEN
C6274 0.1/16
ADC1B_IN
R6231 0
C6275 OPEN
L6258
K6272 NQR0499-001X
R6269 2.4k 0.5%
C6279 0.1/16
K6266 NRSA02J-0R0X
C6231 OPEN
PWM_C1B
CLPH_C1B
C6280 0.1/16
K6263 NQR0489-002X
ADC2R_IN
R6232 0
C6281 OPEN
L6259
R6270 2.4k 0.5%
C6285 0.1/16
K6267 NRSA02J-0R0X
C6232 OPEN
PWM_C2R
CLPH_C2R
C6286 0.1/16
K6264 NQR0489-002X
ADY1V_IN
R6233 0
C6287 OPEN
L6260
R6271 2.4k 0.5%
C6291 0.1/16
K6268 NRSA02J-0R0X
C6233 OPEN
PWM_Y1V
CLPH_Y1V
ADY2G_DVDD
ADY2G_DGND
ADY2G_AVDD1
ADY2G_AVDD2
ADY2G_IN
ADY2G_IB
ADY2G_IBG
ADY2G_VRT
ADY2G_VRB
ADY2G_VCOM
ADY2G_AGND1
ADY2G_AGND2
PWM_Y2G
CLPH_Y2G
ADC1B_DVDD
ADC1B_DGND
ADC1B_AVDD1
ADC1B_AVDD2
ADC1B_IN
ADC1B_IB
ADC1B_IBG
ADC1B_VRT
ADC1B_VRB
ADC1B_VCOM
ADC1B_AGND1
ADC1B_AGND2
PWM_C1B
CLPH_C1B
ADC2R_DVDD
ADC2R_DGND
ADC2R_AVDD1
ADC2R_AVDD2
ADC2R_IN
ADC2R_IB
ADC2R_IBG
ADC2R_VRT
ADC2R_VRB
ADC2R_VCOM
ADC2R_AGND1
ADC2R_AGND2
PWM_C2R
CLPH_C2R
ADY1V_DVDD
ADY1V_DGND
ADY1V_AVDD1
ADY1V_AVDD2
ADY1V_IN
ADY1V_IB
ADY1V_IBG
ADY1V_VRT
ADY1V_VRB
ADY1V_VCOM
ADY1V_AGND1
ADY1V_AGND2
PWM_Y1V
CLPH_Y1V
HD_A2
VD_A2
FB
CLK_A2
CLK_HPLL0
FD_A2
CLK_A1
ADCY2G
ADCC1B
ADCC2R
ADCY1V
A2
ADC
A1
Q6211-Q6214
2SC3837K/NP/-X
Q6211
Q6212
Q6213
Q6214
C6217 0.1 /16
C6218 0.1 /16
R6252 0
R6253 2.2k
YMIN_6
R6254 150
R6255 4.7k
R6256 0
R6257 2.2k
BYMIN_6
R6258 150
R6259 4.7k
R6260 0
R6261 2.2k
RYMIN_6
R6262 150
R6263 4.7k
R6264 0
R6265 10k
SUB_VY_6
R6266 220
R6267 4.7k
ADY2G_IN
PWM_C1B
ADC1B_IN
PWM_C2R
ADC2R_IN
PWM_Y1V
CLPH_Y1V
ADY1V_IN
R6333 0
R6278 OPEN
R6279 0
C6249 /10
C6256 C6257 C6258 C6259
C6260 C6261 C6262 C6263 2.2/10
L6250 L6251 L6252 L6253
C6264 C6265 C6266 C6267
R6286 390
R6287 390
R6288 390
R6289 1K
R6284 0
R6285 0
C6235 OPEN
C6234 OPEN
VCC3D
R6272 OPEN
R6273 0
R6218 OPEN
R6219 OPEN
R6275 0
R6276 0
27M_CLK_A1
VCC3D
L6254 NRSA02J-0R0X
R6299 22
R6274 22
27M_CLK_A1_0
X6250 NAX0580-001X
VDD
OUT
EN/DL
GND
C6292 OPEN
C6293 0.1/16
GND
A-D CONVERT / YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ ENHANCER / NR
FBout
27M_CLK_EAD
SHEET24
SHEET12

DIGITAL PWB ASS'Y (5/16)

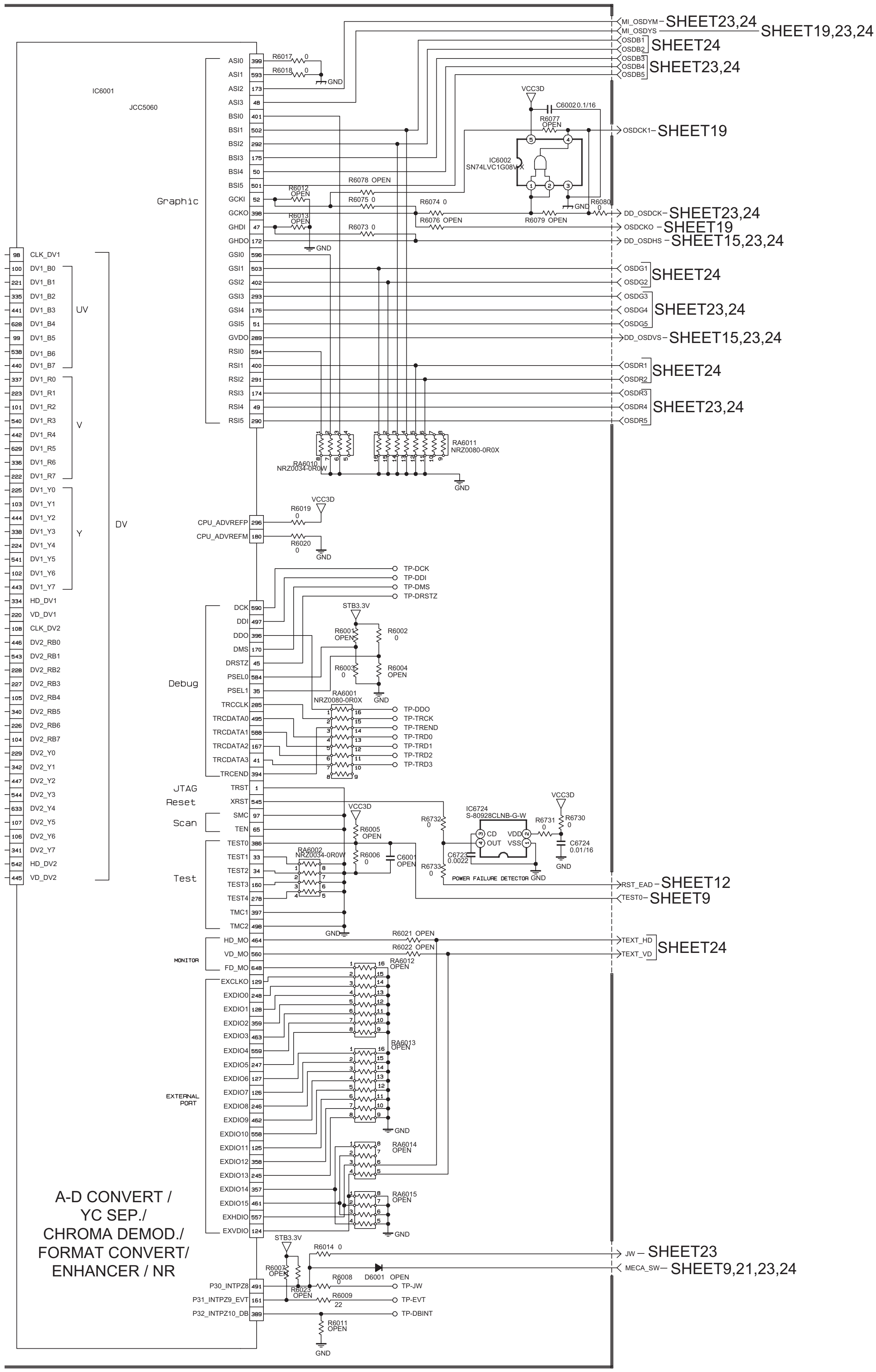
SRA0D019A-M2 [HD-52G657]
SRA0D021A-M2 [HD-56G647]
SRA0D018A-M2 [HD-56G657]
SRA0D017A-M2 [HD-61G657]

c10446001_0214_1/17_0.0

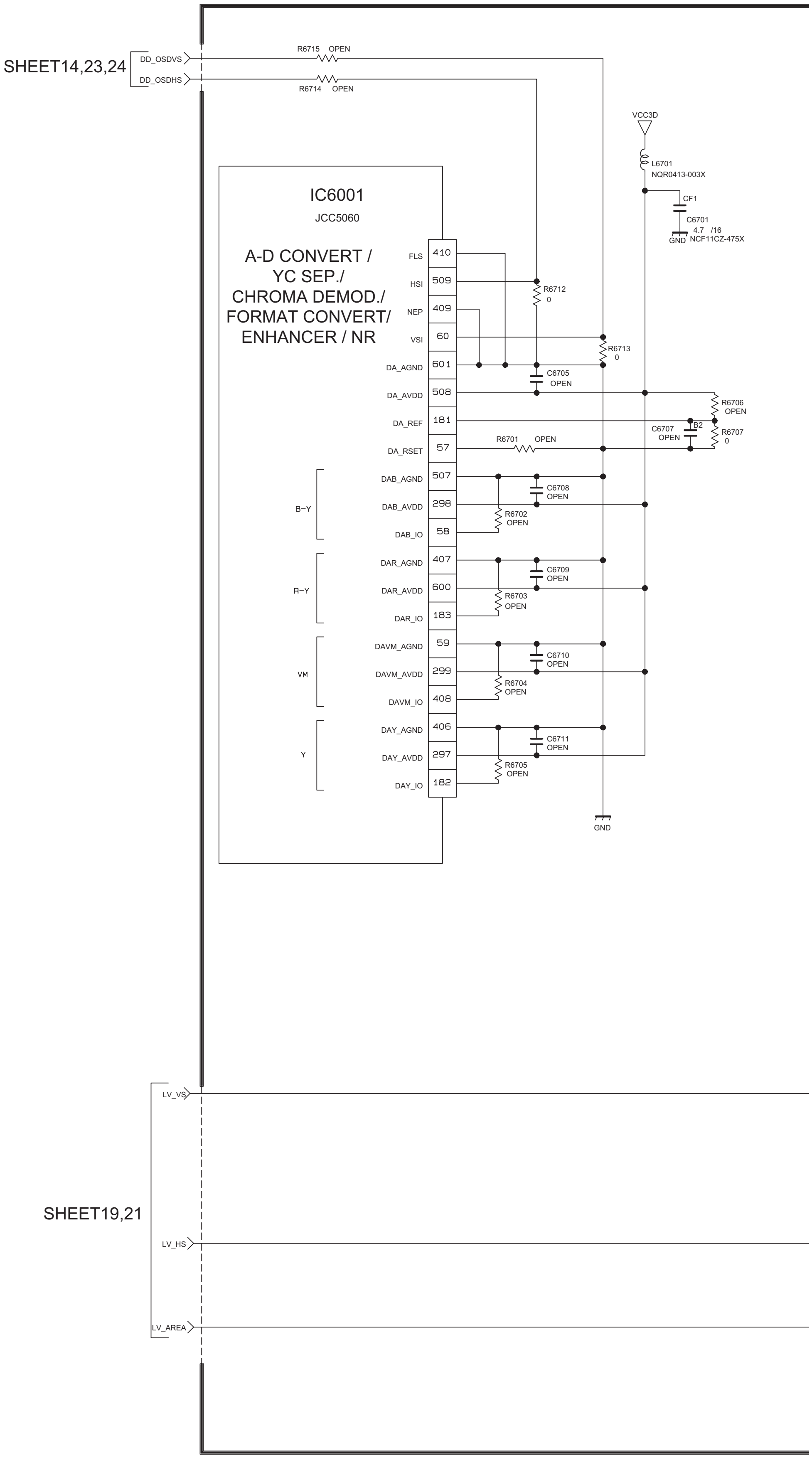

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X
SHEET12,20
DIGITAL INPUT BLOCK
CLK_DV1
DV1_B0
DV1_B1
DV1_B2
DV1_B3
DV1_B4
DV1_B5
DV1_B6
DV1_B7
DV1_R0
DV1_R1
DV1_R2
DV1_R3
DV1_R4
DV1_R5
DV1_R6
DV1_R7
DV1_Y0
DV1_Y1
DV1_Y2
DV1_Y3
DV1_Y4
DV1_Y5
DV1_Y6
DV1_Y7
HD_DV1
VD_DV1
98
100
221
335
441
628
99
538
440
337
223
101
540
442
629
336
222
225
103
444
338
224
541
102
443
334
220
108
446
543
228
227
105
340
226
104
229
342
447
544
633
107
106
341
542
445
DV2_RB1
DV2_RB2
DV2_RB3
DV2_RB4
DV2_RB5
DV2_RB6
DV2_RB7
DV2_Y0
DV2_Y1
DV2_Y2
DV2_Y3
DV2_Y4
DV2_Y5
DV2_Y6
DV2_Y7
RA6003
OPEN
RA6004
OPEN
RA6005
OPEN
RA6006
OPEN
RA6007
NRZ0080-0R0X
RA6008
NRZ0080-0R0X
RA6009
NRZ0034-0R0W
GND
GND
GND
GND

DIGITAL PWB ASS'Y (6/16)

SRA0D019A-M2 [HD-52G657]
SRA0D021A-M2 [HD-56G647]
SRA0D018A-M2 [HD-56G657]
SRA0D017A-M2 [HD-61G657]


IC6001
JCC5060
Graphic
ASI0 399
ASI1 593
ASI2 173
ASI3 48
BSI0 401
BSI1 502
BSI2 292
BSI3 175
BSI4 50
BSI5 501
GCKI 52
GCKO 398
GHDI 47
GHDO 172
GSI0 596
GSI1 503
GSI2 402
GSI3 293
GSI4 176
GSI5 51
GVDO 289
RSI0 594
RSI1 400
RSI2 291
RSI3 174
RSI4 49
RSI5 290
R6017 0
R6018 0
GND
R6012 OPEN
R6013 OPEN
R6078 OPEN
R6075 0
R6073 0
R6074 0
R6076 OPEN
R6079 OPEN
R6080 0
R6077 OPEN
C6002 0.1/16
VCC3D
IC6002
SN74LVC1G08V-X
MI_OSDYM SHEET23,24
MI_OSDYS SHEET19,23,24
OSDB1
OSDB2 SHEET24
OSDB3
OSDB4
OSDB5 SHEET23,24
OSDCK1 SHEET19
DD_OSDCK SHEET23,24
OSDCKO SHEET19
DD_OSDHS SHEET15,23,24
OSDG1
OSDG2 SHEET24
OSDG3
OSDG4
OSDG5 SHEET23,24
DD_OSDVS SHEET15,23,24
OSDR1
OSDR2 SHEET24
OSDR3
OSDR4
OSDR5 SHEET23,24
RA6010
NRZ0034-0R0W
RA6011
NRZ0080-0R0X
98 CLK_DV1
100 DV1_B0
221 DV1_B1
335 DV1_B2
441 DV1_B3
628 DV1_B4
99 DV1_B5
538 DV1_B6
440 DV1_B7
UV
337 DV1_R0
223 DV1_R1
101 DV1_R2
540 DV1_R3
442 DV1_R4
629 DV1_R5
336 DV1_R6
222 DV1_R7
V
225 DV1_Y0
103 DV1_Y1
444 DV1_Y2
338 DV1_Y3
224 DV1_Y4
541 DV1_Y5
102 DV1_Y6
443 DV1_Y7
Y
DV
334 HD_DV1
220 VD_DV1
108 CLK_DV2
446 DV2_RB0
543 DV2_RB1
228 DV2_RB2
227 DV2_RB3
105 DV2_RB4
340 DV2_RB5
226 DV2_RB6
104 DV2_RB7
229 DV2_Y0
342 DV2_Y1
447 DV2_Y2
544 DV2_Y3
633 DV2_Y4
107 DV2_Y5
106 DV2_Y6
341 DV2_Y7
542 HD_DV2
445 VD_DV2
CPU_ADVREFP 296
CPU_ADVREFM 180
R6019 0
R6020 0
Debug
DCK 590
DDI 497
DDO 396
DMS 170
DRSTZ 45
PSEL0 584
PSEL1 35
TRCCLK 285
TRCDATA0 495
TRCDATA1 588
TRCDATA2 167
TRCDATA3 41
TRCEND 394
TP-DCK
TP-DDI
TP-DMS
TP-DRSTZ
STB3.3V
R6001 OPEN
R6002 0
R6003 0
R6004 OPEN
RA6001
NRZ0080-0R0X
TP-DDO
TP-TRCK
TP-TREND
TP-TRD0
TP-TRD1
TP-TRD2
TP-TRD3
JTAG
TRST 1
Reset
XRST 545
Scan
SMC 97
TEN 65
Test
TEST0 386
TEST1 33
TEST2 34
TEST3 160
TEST4 278
TMC1 397
TMC2 498
RA6002
NRZ0034-0R0W
R6005 OPEN
R6006 0
C6001 OPEN
IC6724
S-80928CLNB-G-W
CD
OUT
VDD
VSS
R6732 0
R6733 0
R6731 0
R6730 0
C6723 0.0022
C6724 0.01/16
POWER FAILURE DETECTOR
RST_EAD SHEET12
TEST0 SHEET9
MONITOR
HD_MO 464
VD_MO 560
FD_MO 648
R6021 OPEN
R6022 OPEN
TEXT_HD
TEXT_VD SHEET24
EXTERNAL PORT
EXCLKO 129
EXDIO0 248
EXDIO1 128
EXDIO2 359
EXDIO3 463
EXDIO4 559
EXDIO5 247
EXDIO6 127
EXDIO7 126
EXDIO8 246
EXDIO9 462
EXDIO10 558
EXDIO11 125
EXDIO12 358
EXDIO13 245
EXDIO14 357
EXDIO15 461
EXHDIO 557
EXVDIO 124
RA6012 OPEN
RA6013 OPEN
RA6014 OPEN
RA6015 OPEN
P30_INTPZ8 491
P31_INTPZ9_EVT 161
P32_INTPZ10_DB 389
R6014 0
R6007 OPEN
R6023 OPEN
R6008 0
R6009 22
R6011 OPEN
D6001 OPEN
TP-JW
TP-EVT
TP-DBINT
JW SHEET23
MECA_SW SHEET9,21,23,24
A-D CONVERT / YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ ENHANCER / NR

DIGITAL PWB CIRCUIT DIAGRAM (7/16) [ANALOG RGB OUT BLOCK] SHEET 15



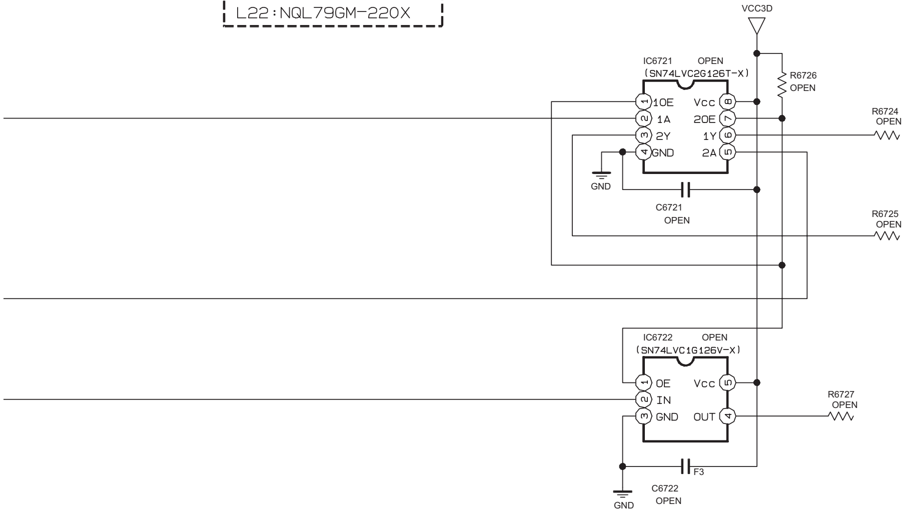
SHEET14,23,24
DD_OSDVS
DD_OSDHS
R6715 OPEN
R6714 OPEN
VCC3D
L6701
NQR0413-003X
CF1
C6701
4.7 /16
NCF11CZ-475X
GND
IC6001
JCC5060
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCER / NR
FLS 410
HSI 509
NEP 409
VSI 60
DA_AGND 601
DA_AVDD 508
DA_REF 181
DA_RSET 57
DAB_AGND 507
DAB_AVDD 298
DAB_IO 58
DAR_AGND 407
DAR_AVDD 600
DAR_IO 183
DAVM_AGND 59
DAVM_AVDD 299
DAVM_IO 408
DAY_AGND 406
DAY_AVDD 297
DAY_IO 182
B-Y
R-Y
VM
Y
R6712
0
R6713
0
C6705
OPEN
R6706
OPEN
B2
C6707
OPEN
R6707
0
R6701 OPEN
C6708
OPEN
R6702
OPEN
C6709
OPEN
R6703
OPEN
C6710
OPEN
R6704
OPEN
C6711
OPEN
R6705
OPEN
GND
LV_VS
SHEET19,21
LV_HS
LV_AREA

DIGITAL PWB ASS'Y (7/16)

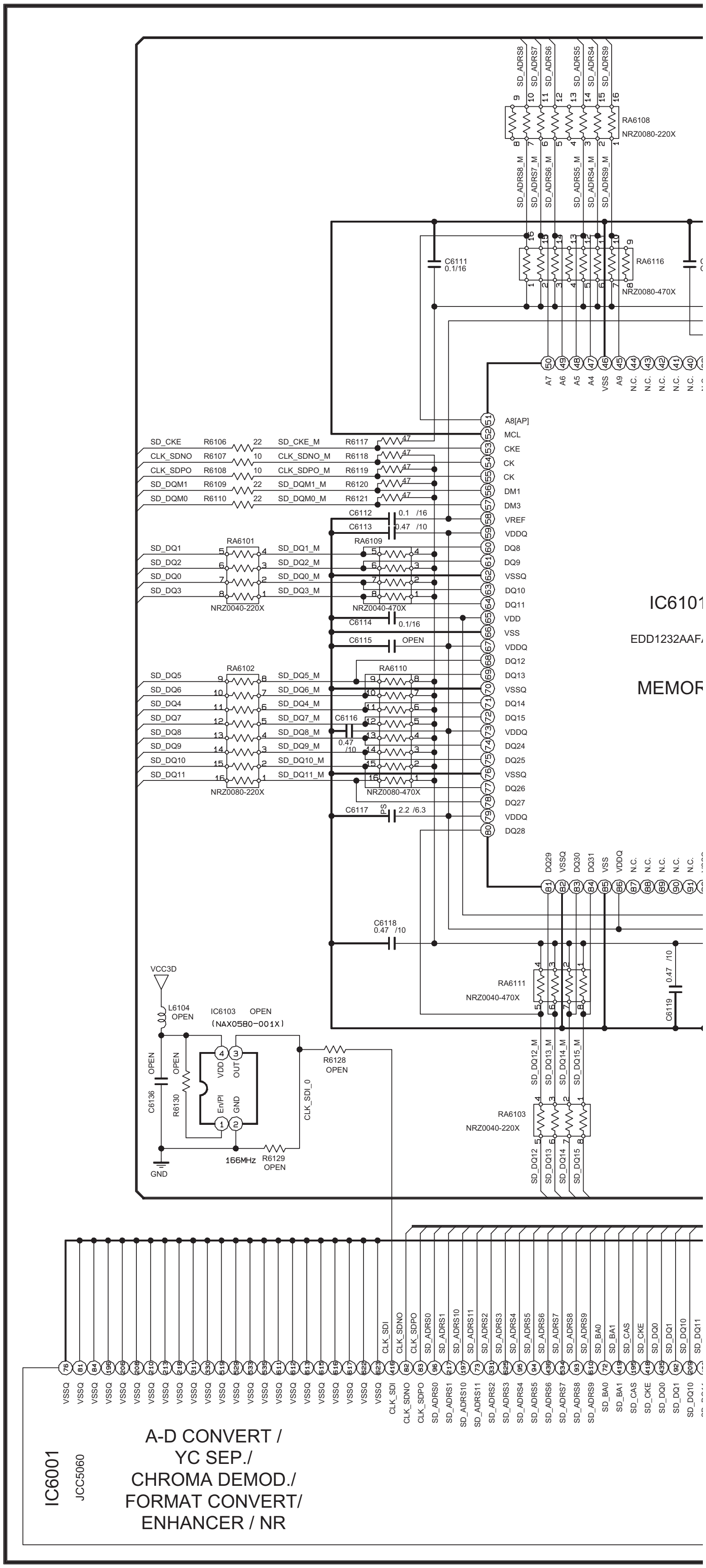
SRA0D019A-M2 [HD-52G657]
SRA0D021A-M2 [HD-56G647]
SRA0D018A-M2 [HD-56G657]
SRA0D017A-M2 [HD-61G657]

NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

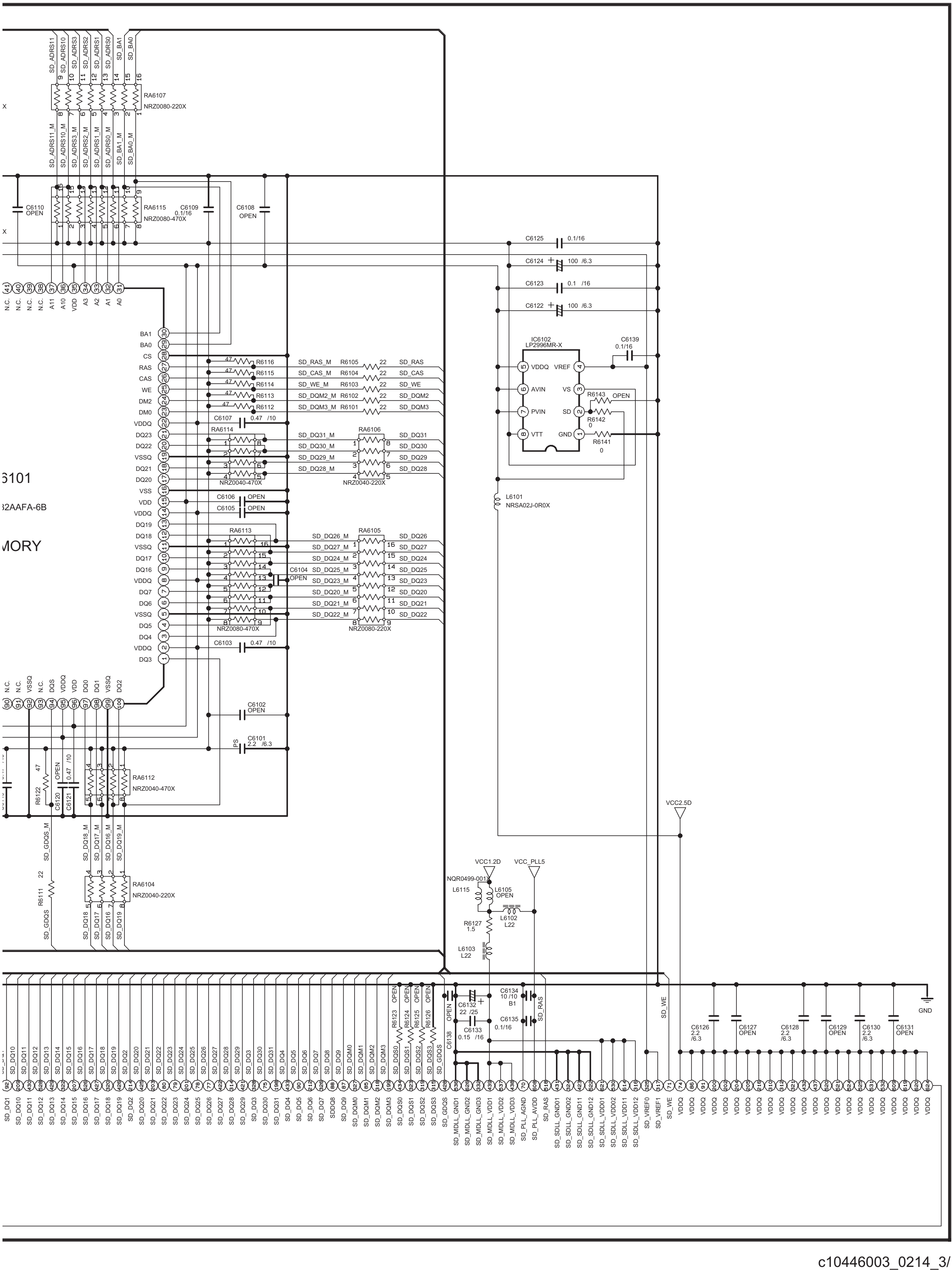

VCC3D
IC6721
OPEN
(SN74LVC2G126T-X)
R6726
OPEN
1
1OE
2
1A
3
2Y
4
GND
8
Vcc
7
2OE
6
1Y
5
2A
R6724
OPEN
GND
C6721
OPEN
R6725
OPEN
IC6722
OPEN
(SN74LVC1G126V-X)
1
OE
2
IN
3
GND
5
Vcc
4
OUT
R6727
OPEN
F3
C6722
OPEN
GND

DIGITAL PWB CIRCUIT DIAGRAM (8/16) [DDR BLOCK] SHEET 16


SD_ADRS8
SD_ADRS7
SD_ADRS6
SD_ADRS5
SD_ADRS4
SD_ADRS9
RA6108
NRZ0080-220X
SD_ADRS8_M
SD_ADRS7_M
SD_ADRS6_M
SD_ADRS5_M
SD_ADRS4_M
SD_ADRS9_M
C6111
0.1/16
RA6116
NRZ0080-470X
A7
A6
A5
A4
VSS
A9
N.C.
A8[AP]
MCL
CKE
CK
CK
DM1
DM3
VREF
VDDQ
DQ8
DQ9
VSSQ
DQ10
DQ11
VDD
VSS
VDDQ
DQ12
DQ13
VSSQ
DQ14
DQ15
VDDQ
DQ24
DQ25
VSSQ
DQ26
DQ27
VDDQ
DQ28
DQ29
VSSQ
DQ30
DQ31
VSS
VDDQ
IC6101
EDD1232AAF
MEMOR
SD_CKE
CLK_SDNO
CLK_SDPO
SD_DQM1
SD_DQM0
R6106
R6107
R6108
R6109
R6110
22
10
10
22
22
SD_CKE_M
CLK_SDNO_M
CLK_SDPO_M
SD_DQM1_M
SD_DQM0_M
R6117
R6118
R6119
R6120
R6121
47
C6112
0.1 /16
C6113
0.47 /10
RA6101
SD_DQ1
SD_DQ2
SD_DQ0
SD_DQ3
SD_DQ1_M
SD_DQ2_M
SD_DQ0_M
SD_DQ3_M
NRZ0040-220X
RA6109
NRZ0040-470X
C6114
0.1/16
C6115
OPEN
RA6102
SD_DQ5
SD_DQ6
SD_DQ4
SD_DQ7
SD_DQ8
SD_DQ9
SD_DQ10
SD_DQ11
SD_DQ5_M
SD_DQ6_M
SD_DQ4_M
SD_DQ7_M
SD_DQ8_M
SD_DQ9_M
SD_DQ10_M
SD_DQ11_M
NRZ0080-220X
RA6110
NRZ0080-470X
C6116
0.47 /10
C6117
2.2 /6.3
C6118
0.47 /10
RA6111
NRZ0040-470X
C6119
0.47 /10
SD_DQ12_M
SD_DQ13_M
SD_DQ14_M
SD_DQ15_M
RA6103
NRZ0040-220X
SD_DQ12
SD_DQ13
SD_DQ14
SD_DQ15
VCC3D
L6104
OPEN
IC6103 OPEN
(NAX0580-001X)
VDD
OUT
En/PI
GND
C6136
OPEN
R6130
OPEN
R6128
OPEN
CLK_SDI_0
166MHz
R6129
OPEN
GND
VSSQ
CLK_SDI
CLK_SDNO
CLK_SDPO
SD_ADRS0
SD_ADRS1
SD_ADRS10
SD_ADRS11
SD_ADRS2
SD_ADRS3
SD_ADRS4
SD_ADRS5
SD_ADRS6
SD_ADRS7
SD_ADRS8
SD_ADRS9
SD_BA0
SD_BA1
SD_CAS
SD_CKE
SD_DQ0
SD_DQ1
SD_DQ10
SD_DQ11
IC6001
JCC5060
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCER / NR

DIGITAL
PWB ASS'Y (8/16)

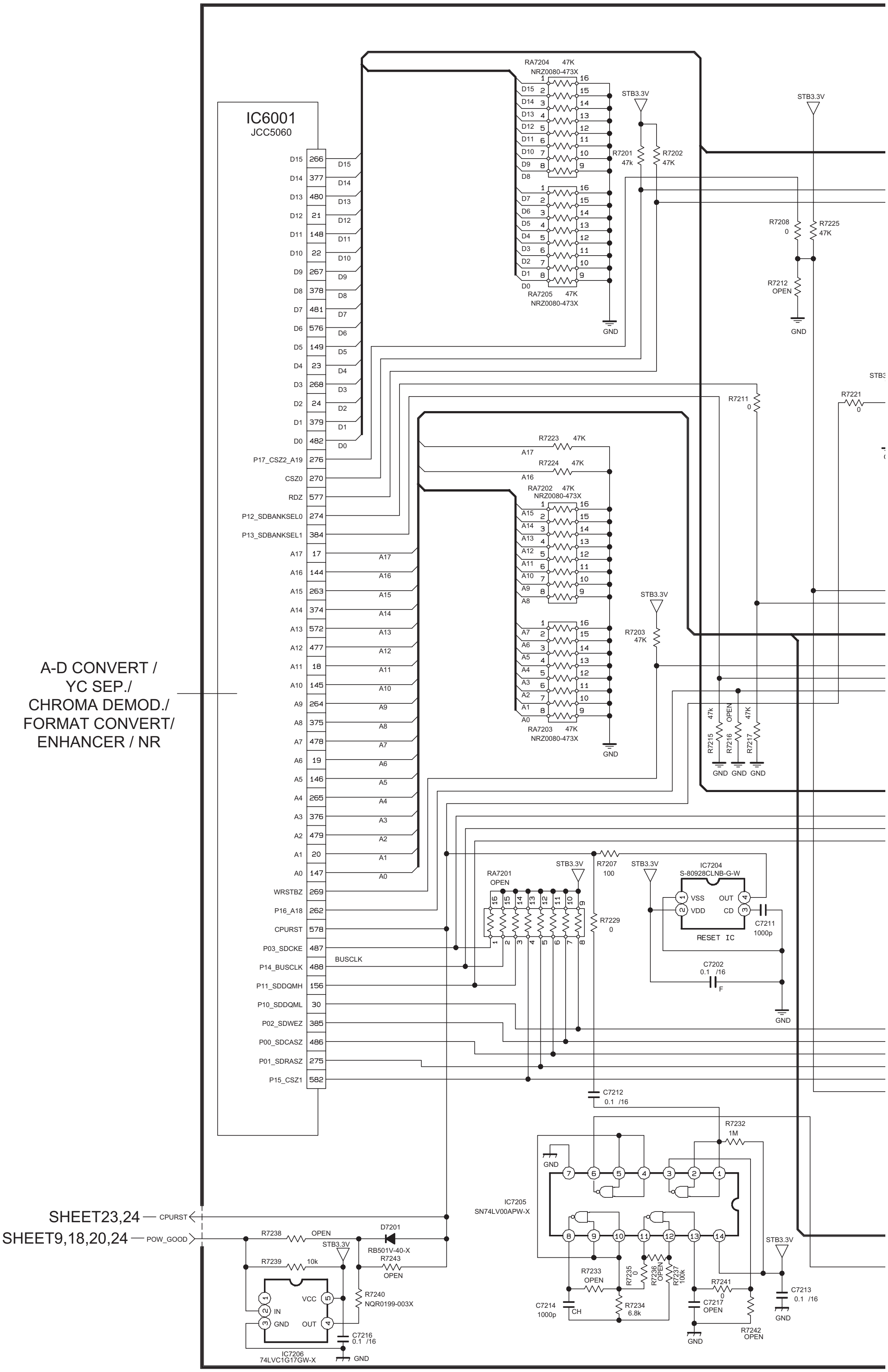
SRA0D019A-M2 [HD-52G657]
SRA0D021A-M2 [HD-56G647]
SRA0D018A-M2 [HD-56G657]
SRA0D017A-M2 [HD-61G657]



SD_ADRS11
SD_ADRS10
SD_ADRS3
SD_ADRS2
SD_ADRS1
SD_ADRS0
SD_BA1
SD_BA0
RA6107
NRZ0080-220X
SD_ADRS11_M
SD_ADRS10_M
SD_ADRS3_M
SD_ADRS2_M
SD_ADRS1_M
SD_ADRS0_M
SD_BA1_M
SD_BA0_M
C6110
OPEN
RA6115
NRZ0080-470X
C6109
0.1/16
C6108
OPEN
C6125
0.1/16
C6124
100 /6.3
C6123
0.1 /16
C6122
100 /6.3
N.C.
A11
A10
VDD
A3
A2
A1
A0
BA1
BA0
CS
RAS
CAS
WE
DM2
DM0
VDDQ
DQ23
DQ22
VSSQ
DQ21
DQ20
VSS
VDD
VDDQ
DQ19
DQ18
VSSQ
DQ17
DQ16
VDDQ
DQ7
DQ6
VSSQ
DQ5
DQ4
VDDQ
DQ3
6101
32AAFA-6B
MORY
R6116
R6115
R6114
R6113
R6112
47
SD_RAS_M
SD_CAS_M
SD_WE_M
SD_DQM2_M
SD_DQM3_M
R6105
R6104
R6103
R6102
R6101
22
SD_RAS
SD_CAS
SD_WE
SD_DQM2
SD_DQM3
C6107
0.47 /10
RA6114
NRZ0040-470X
RA6106
NRZ0040-220X
SD_DQ31_M
SD_DQ30_M
SD_DQ29_M
SD_DQ28_M
SD_DQ31
SD_DQ30
SD_DQ29
SD_DQ28
C6106
OPEN
C6105
OPEN
RA6113
NRZ0080-470X
RA6105
NRZ0080-220X
SD_DQ26_M
SD_DQ27_M
SD_DQ24_M
SD_DQ25_M
SD_DQ23_M
SD_DQ20_M
SD_DQ21_M
SD_DQ22_M
SD_DQ26
SD_DQ27
SD_DQ24
SD_DQ25
SD_DQ23
SD_DQ20
SD_DQ21
SD_DQ22
C6104
OPEN
C6103
0.47 /10
IC6102
LP2996MR-X
VDDQ
AVIN
PVIN
VTT
VREF
VS
SD
GND
C6139
0.1/16
R6143
OPEN
R6142
0
R6141
0
L6101
NRSA02J-0R0X
N.C.
VSSQ
DQS
VDDQ
VDD
DQ0
DQ1
VSSQ
DQ2
C6102
OPEN
C6101
2.2 /6.3
PS
R6122
47
C6120
OPEN
C6121
0.47 /10
RA6112
NRZ0040-470X
SD_GDQS_M
SD_DQ18_M
SD_DQ17_M
SD_DQ16_M
SD_DQ19_M
R6111
22
RA6104
NRZ0040-220X
SD_GDQS
SD_DQ18
SD_DQ17
SD_DQ16
SD_DQ19
VCC2.5D
VCC1.2D
VCC_PLL5
NQR0499-001X
L6115
L6105
OPEN
L6102
L22
R6127
1.5
L6103
L22
C6134
10 /10
B1
C6132
22 /25
C6133
0.15 /16
C6135
0.1/16
C6138
OPEN
R6123
R6124
R6125
R6126
SD_RAS
SD_WE
GND
C6126
2.2
/6.3
C6127
OPEN
C6128
2.2
/6.3
C6129
OPEN
C6130
2.2
/6.3
C6131
OPEN
SD_DQ1
SD_DQ10
SD_DQ11
SD_DQ12
SD_DQ13
SD_DQ14
SD_DQ15
SD_DQ16
SD_DQ17
SD_DQ18
SD_DQ19
SD_DQ2
SD_DQ20
SD_DQ21
SD_DQ22
SD_DQ23
SD_DQ24
SD_DQ25
SD_DQ26
SD_DQ27
SD_DQ28
SD_DQ29
SD_DQ3
SD_DQ30
SD_DQ31
SD_DQ4
SD_DQ5
SD_DQ6
SD_DQ7
SDDQ8
SD_DQ9
SD_DQM0
SD_DQM1
SD_DQM2
SD_DQM3
SD_DQS0
SD_DQS1
SD_DQS2
SD_DQS3
SD_GDQS
SD_MDLL_GND1
SD_MDLL_GND2
SD_MDLL_GND3
SD_MDLL_VDD1
SD_MDLL_VDD2
SD_MDLL_VDD3
SD_PLL_AGND
SD_PLL_AVDD
SD_RAS
SD_SDLL_GND01
SD_SDLL_GND02
SD_SDLL_GND11
SD_SDLL_GND12
SD_SDLL_VDD01
SD_SDLL_VDD02
SD_SDLL_VDD11
SD_SDLL_VDD12
SD_VREF0
SD_VREF1
SD_WE
VDDQ

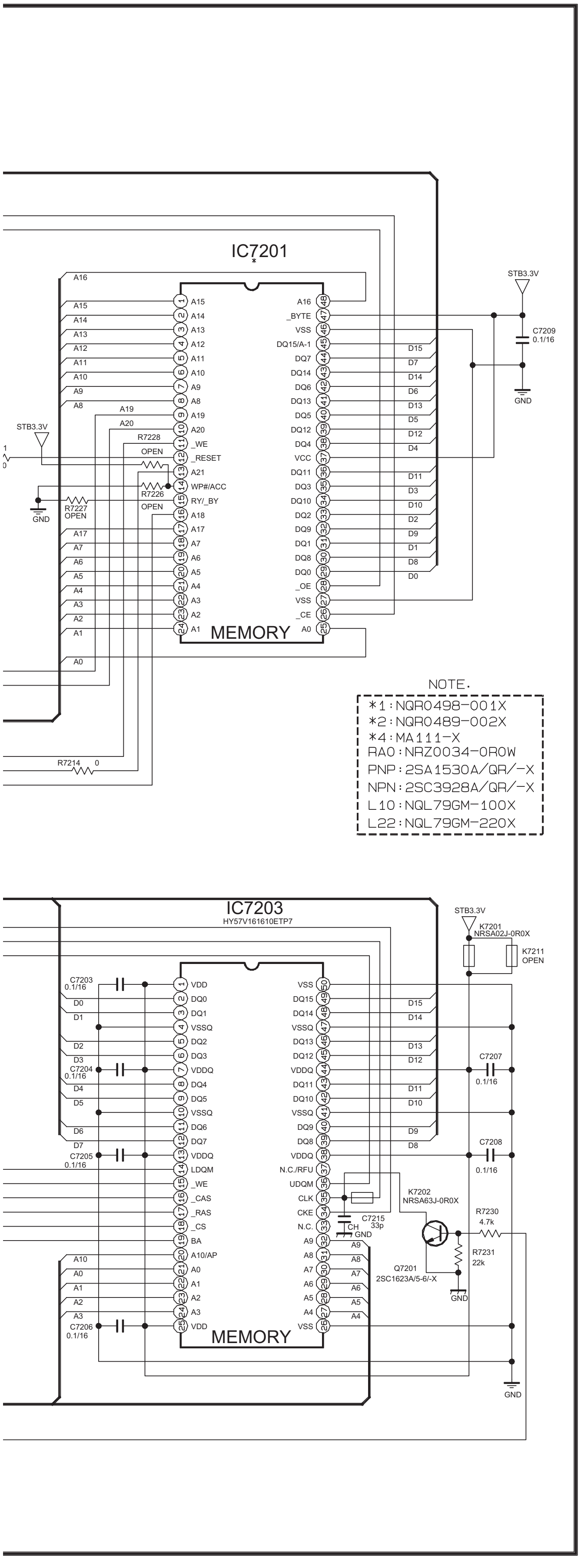
c10446003_0214_3/17_0.0

DIGITAL PWB CIRCUIT DIAGRAM (9/16) [FLASH MEMORY BLOCK] SHEET 17


IC6001
JCC5060
D15 266
D14 377
D13 480
D12 21
D11 148
D10 22
D9 267
D8 378
D7 481
D6 576
D5 149
D4 23
D3 268
D2 24
D1 379
D0 482
P17_CSZ2_A19 276
CSZ0 270
RDZ 577
P12_SDBANKSEL0 274
P13_SDBANKSEL1 384
A17 17
A16 144
A15 263
A14 374
A13 572
A12 477
A11 18
A10 145
A9 264
A8 375
A7 478
A6 19
A5 146
A4 265
A3 376
A2 479
A1 20
A0 147
WRSTBZ 269
P16_A18 262
CPURST 578
P03_SDCKE 487
P14_BUSCLK 488
P11_SDDQMH 156
P10_SDDQML 30
P02_SDWEZ 385
P00_SDCASZ 486
P01_SDRASZ 275
P15_CSZ1 582
BUSCLK
RA7204 47K
NRZ0080-473X
RA7205 47K
NRZ0080-473X
RA7202 47K
NRZ0080-473X
RA7203 47K
NRZ0080-473X
R7223 47K
R7224 47K
STB3.3V
R7201 47k
R7202 47K
R7208 0
R7225 47K
R7212 OPEN
R7211 0
R7221 0
R7203 47K
R7215 47k
R7216 OPEN
R7217 47K
GND
RA7201 OPEN
R7207 100
R7229 0
IC7204
S-80928CLNB-G-W
VSS OUT
VDD CD
RESET IC
C7211 1000p
C7202 0.1 /16
F
C7212 0.1 /16
R7232 1M
IC7205
SN74LV00APW-X
R7233 OPEN
R7235 0
R7236 OPEN
R7237 100k
R7234 6.8k
C7214 1000p
CH
R7241 0
C7217 OPEN
R7242 OPEN
C7213 0.1 /16
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCER / NR
SHEET23,24 CPURST
SHEET9,18,20,24 POW_GOOD
R7238 OPEN
D7201
RB501V-40-X
R7243 OPEN
R7239 10k
R7240
NQR0199-003X
IN
VCC
GND
OUT
C7216 0.1 /16
IC7206
74LVC1G17GW-X

DIGITAL PWB ASS'Y (9/16)

SRA0D019A-M2 [HD-52G657]
SRA0D021A-M2 [HD-56G647]
SRA0D018A-M2 [HD-56G657]
SRA0D017A-M2 [HD-61G657]

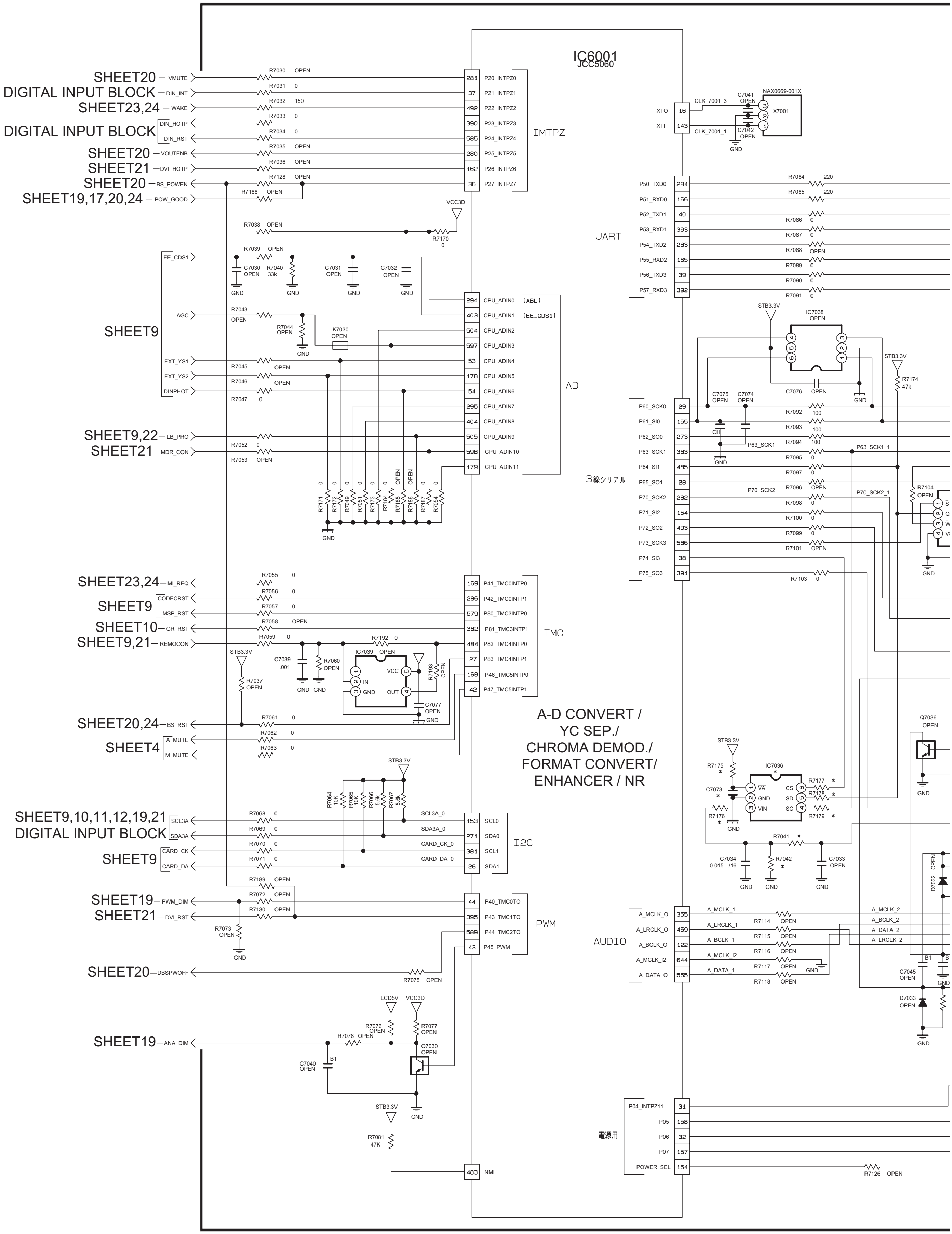

IC7201
*
MEMORY
A16
A15
A14
A13
A12
A11
A10
A9
A8
A19
A20
_WE
_RESET
A21
WP#/ACC
RY/_BY
A18
A17
A7
A6
A5
A4
A3
A2
A1
A0
_BYTE
VSS
DQ15/A-1
DQ7
DQ14
DQ6
DQ13
DQ5
DQ12
DQ4
VCC
DQ11
DQ3
DQ10
DQ2
DQ9
DQ1
DQ8
DQ0
_OE
_CE
D15
D7
D14
D6
D13
D5
D12
D4
D11
D3
D10
D2
D9
D1
D8
D0
STB3.3V
C7209
0.1/16
GND
R7228
OPEN
R7226
OPEN
R7227
OPEN
R7214
0
IC7203
HY57V161610ETP7
MEMORY
VDD
DQ0
DQ1
VSSQ
DQ2
DQ3
VDDQ
DQ4
DQ5
DQ6
DQ7
LDQM
_WE
_CAS
_RAS
_CS
BA
A10/AP
VSS
DQ15
DQ14
DQ13
DQ12
DQ11
DQ10
DQ9
DQ8
N.C./RFU
UDQM
CLK
CKE
N.C.
C7203
0.1/16
C7204
0.1/16
C7205
0.1/16
C7206
0.1/16
C7207
0.1/16
C7208
0.1/16
K7201
NRSA02J-0R0X
K7211
OPEN
K7202
NRSA63J-0R0X
C7215
CH
33p
R7230
4.7k
R7231
22k
Q7201
2SC1623A/5-6/-X

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

* DIFFERENCE LIST

ASSY NO.	SRA -0D011A	SRA -0D012A	SRA -0D013A	SRA -0D014A	SRA -0D015A	SRA -0D016A	SRA -0D017A	SRA -0D018A	SRA -0D019A	SRA -0D020A	SRA -0D021A	SRA -0D022A	SRA -0D023A	SRA -0D024A
	OLLC09895	OLLC09895 -02	OLLC09895 -03	OLLC09895 -04	OLLC09895 -05	OLLC09895 -06	OLLC10086	OLLC10086 -02	OLLC10086 -03	OLLC10086 -04	OLLC10086 -05	OLLC10086 -06	OLLC10086 -07	OLLC10086 -08
IC7201	39VF800A 7IEKD52	39VF800A 7IEKD53	39VF800A 7IEKD54	39VF800A 7IEKD52	39VF800A 7IEKD53	39VF800A 7IEKD54	39VF800A 7IEKD66	39VF800A 7IEKD67	39VF800A 7IEKD68	39VF800A 7IEKD66	39VF800A 7IEKD67	39VF800A 7IEKD68	39VF800A 7IEKD92	39VF800A 7IEKD93

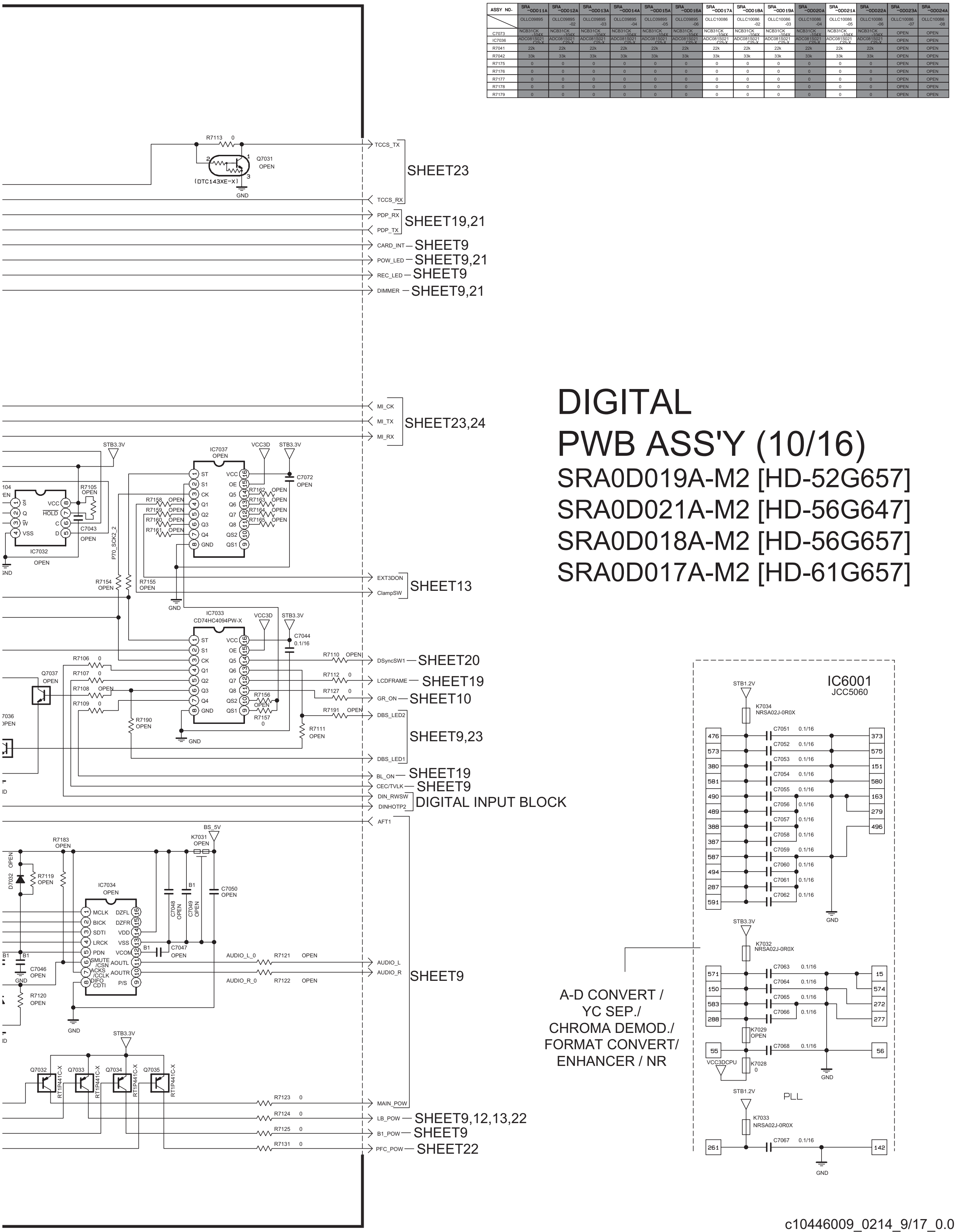
DIGITAL PWB CIRCUIT DIAGRAM (10/16) [DIST INTERFACE BLOCK] SHEET 18


IC6001
JCC5060
SHEET20 – VMUTE
DIGITAL INPUT BLOCK – DIN_INT
SHEET23,24 – WAKE
DIGITAL INPUT BLOCK
DIN_HOTP
DIN_RST
SHEET20 – VOUTENB
SHEET21 – DVI_HOTP
SHEET20 – BS_POWEN
SHEET19,17,20,24 – POW_GOOD
R7030 OPEN
R7031 0
R7032 150
R7033 0
R7034 0
R7035 OPEN
R7036 OPEN
R7128 OPEN
R7188 OPEN
281 P20_INTPZ0
37 P21_INTPZ1
492 P22_INTPZ2
390 P23_INTPZ3
585 P24_INTPZ4
280 P25_INTPZ5
162 P26_INTPZ6
36 P27_INTPZ7
IMTPZ
VCC3D
R7038 OPEN
R7170 0
R7039 OPEN
EE_CDS1
C7030 OPEN
R7040 33k
C7031 OPEN
C7032 OPEN
GND
SHEET9
AGC
R7043 OPEN
R7044 OPEN
K7030 OPEN
EXT_YS1
EXT_YS2
DINPHOT
R7045 OPEN
R7046 OPEN
R7047 0
SHEET9,22 – LB_PRO
SHEET21 – MDR_CON
R7052 0
R7053 OPEN
294 CPU_ADIN0 (ABL)
403 CPU_ADIN1 (EE_CDS1)
504 CPU_ADIN2
597 CPU_ADIN3
53 CPU_ADIN4
178 CPU_ADIN5
54 CPU_ADIN6
295 CPU_ADIN7
404 CPU_ADIN8
505 CPU_ADIN9
598 CPU_ADIN10
179 CPU_ADIN11
AD
R7171 0
R7172 0
R7049 0
R7051 0
R7173 0
R7184 0
R7185 OPEN
R7186 OPEN
R7187 0
R7054 0
SHEET23,24 – MI_REQ
SHEET9
CODECRST
MSP_RST
SHEET10 – GR_RST
SHEET9,21 – REMOCON
R7055 0
R7056 0
R7057 0
R7058 OPEN
R7059 0
R7192 0
STB3.3V
C7039 .001
R7060 OPEN
IC7039 OPEN
IN
GND
VCC
OUT
R7193 OPEN
C7077 OPEN
R7037 OPEN
169 P41_TMC0INTP0
286 P42_TMC0INTP1
579 P80_TMC3INTP0
382 P81_TMC3INTP1
484 P82_TMC4INTP0
27 P83_TMC4INTP1
168 P46_TMC5INTP0
42 P47_TMC5INTP1
TMC
SHEET20,24 – BS_RST
SHEET4
A_MUTE
M_MUTE
R7061 0
R7062 0
R7063 0
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCER / NR
R7064 10k
R7065 10k
R7066 5.6k
R7067 5.6k
SHEET9,10,11,12,19,21
DIGITAL INPUT BLOCK
SCL3A
SDA3A
SHEET9
CARD_CK
CARD_DA
R7068 0
R7069 0
R7070 0
R7071 0
SCL3A_0
SDA3A_0
CARD_CK_0
CARD_DA_0
153 SCL0
271 SDA0
381 SCL1
26 SDA1
I2C
R7189 OPEN
SHEET19 – PWM_DIM
SHEET21 – DVI_RST
R7072 OPEN
R7130 OPEN
R7073 OPEN
44 P40_TMC0TO
395 P43_TMC1TO
589 P44_TMC2TO
43 P45_PWM
PWM
SHEET20 – DBSPWOFF
R7075 OPEN
LCD5V
R7076 OPEN
R7077 OPEN
R7078 OPEN
SHEET19 – ANA_DIM
Q7030 OPEN
C7040 OPEN
B1
R7081 47K
483 NMI
XTO 16
XTI 143
CLK_7001_3
CLK_7001_1
C7041 OPEN
C7042 OPEN
NAX0669-001X
X7001
UART
P50_TXD0 284
P51_RXD0 166
P52_TXD1 40
P53_RXD1 393
P54_TXD2 283
P55_RXD2 165
P56_TXD3 39
P57_RXD3 392
R7084 220
R7085 220
R7086 0
R7087 0
R7088 OPEN
R7089 0
R7090 0
R7091 0
IC7038 OPEN
C7075 OPEN
C7074 OPEN
C7076 OPEN
CH
R7174 47k
3線シリアル
P60_SCK0 29
P61_SI0 155
P62_SO0 273
P63_SCK1 383
P64_SI1 485
P65_SO1 28
P70_SCK2 282
P71_SI2 164
P72_SO2 493
P73_SCK3 586
P74_SI3 38
P75_SO3 391
R7092 100
R7093 100
R7094 100
R7095 0
R7097 0
R7096 OPEN
R7098 0
R7100 0
R7099 0
R7101 OPEN
R7103 0
P63_SCK1
P63_SCK1_1
P70_SCK2
P70_SCK2_1
R7104 OPEN
Q7036 OPEN
R7175 *
IC7036 *
C7073 *
R7176 *
VA
GND
VIN
CS
SD
SC
R7177 *
R7178 *
R7179 *
R7041 *
C7034 0.015 /16
R7042 *
C7033 OPEN
D7032 OPEN
AUDIO
A_MCLK_O 355
A_LRCLK_O 459
A_BCLK_O 122
A_MCLK_I2 644
A_DATA_O 555
A_MCLK_1
A_LRCLK_1
A_BCLK_1
A_MCLK_I2
A_DATA_1
R7114 OPEN
R7115 OPEN
R7116 OPEN
R7117 OPEN
R7118 OPEN
A_MCLK_2
A_BCLK_2
A_DATA_2
A_LRCLK_2
C7045 OPEN
D7033 OPEN
電源用
P04_INTPZ11 31
P05 158
P06 32
P07 157
POWER_SEL 154
R7126 OPEN

* DIFFERENCE LIST

ASSY NO.	SRA -0D011A	SRA -0D012A	SRA -0D013A	SRA -0D014A	SRA -0D015A	SRA -0D016A	SRA -0D017A	SRA -0D018A	SRA -0D019A	SRA -0D020A	SRA -0D021A	SRA -0D022A	SRA -0D023A	SRA -0D024A
	OLLC09895	OLLC09895 -02	OLLC09895 -03	OLLC09895 -04	OLLC09895 -05	OLLC09895 -06	OLLC10086	OLLC10086 -02	OLLC10086 -03	OLLC10086 -04	OLLC10086 -05	OLLC10086 -06	OLLC10086 -07	OLLC10086 -08
C7073	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	OPEN	OPEN
IC7036	ADC081S021 CIS-X	ADC081S021 CIS-X	ADC081S021 CIS-X	ADC081S021 CIS-X	ADC081S021 CIS-X	ADC081S021 CIS-X	ADC081S021 CIS-X	ADC081S021 CIS-X	ADC081S021 CIS-X	ADC081S021 CIS-X	ADC081S021 CIS-X	ADC081S021 CIS-X	OPEN	OPEN
R7041	22k	22k	22k	22k	22k	22k	22k	22k	22k	22k	22k	22k	OPEN	OPEN
R7042	33k	33k	33k	33k	33k	33k	33k	33k	33k	33k	33k	33k	OPEN	OPEN
R7175	0	0	0	0	0	0	0	0	0	0	0	0	OPEN	OPEN
R7176	0	0	0	0	0	0	0	0	0	0	0	0	OPEN	OPEN
R7177	0	0	0	0	0	0	0	0	0	0	0	0	OPEN	OPEN
R7178	0	0	0	0	0	0	0	0	0	0	0	0	OPEN	OPEN
R7179	0	0	0	0	0	0	0	0	0	0	0	0	OPEN	OPEN

DIGITAL
PWB ASS'Y (10/16)
SRA0D019A-M2 [HD-52G657]
SRA0D021A-M2 [HD-56G647]
SRA0D018A-M2 [HD-56G657]
SRA0D017A-M2 [HD-61G657]


R7113 0
Q7031 OPEN
(DTC143XE-X)
GND
TCCS_TX
TCCS_RX
SHEET23
PDP_RX
PDP_TX
SHEET19,21
CARD_INT — SHEET9
POW_LED — SHEET9,21
REC_LED — SHEET9
DIMMER — SHEET9,21
MI_CK
MI_TX
MI_RX
SHEET23,24
STB3.3V
VCC3D
IC7037 OPEN
C7072 OPEN
R7105 OPEN
C7043 OPEN
IC7032 OPEN
R7158 OPEN
R7159 OPEN
R7160 OPEN
R7161 OPEN
R7162 OPEN
R7163 OPEN
R7164 OPEN
R7165 OPEN
P70_SCK2_2
R7154 OPEN
R7155 OPEN
EXT3DON
ClampSW
SHEET13
IC7033 CD74HC4094PW-X
C7044 0.1/16
R7106 0
R7107 0
R7108 OPEN
R7109 0
Q7037 OPEN
R7110 OPEN
R7112 0
R7127 0
R7191 OPEN
R7156 OPEN
R7157 0
R7190 OPEN
R7111 OPEN
DSyncSW1 — SHEET20
LCDFRAME — SHEET19
GR_ON — SHEET10
DBS_LED2
DBS_LED1
SHEET9,23
BL_ON — SHEET19
CEC/TVLK — SHEET9
DIN_RWSW
DINHOTP2
DIGITAL INPUT BLOCK
AFT1
BS_5V
K7031 OPEN
R7183 OPEN
D7032 OPEN
R7119 OPEN
IC7034 OPEN
C7048 OPEN
C7049 OPEN
C7050 OPEN
C7047 OPEN
C7046 OPEN
R7120 OPEN
AUDIO_L_0
AUDIO_R_0
R7121 OPEN
R7122 OPEN
AUDIO_L
AUDIO_R
SHEET9
Q7032 RT1P441C-X
Q7033 RT1P441C-X
Q7034 RT1P441C-X
Q7035 RT1P441C-X
R7123 0
R7124 0
R7125 0
R7131 0
MAIN_POW
LB_POW — SHEET9,12,13,22
B1_POW — SHEET9
PFC_POW — SHEET22
IC6001 JCC5060
STB1.2V
K7034 NRSA02J-0R0X
C7051 0.1/16
C7052 0.1/16
C7053 0.1/16
C7054 0.1/16
C7055 0.1/16
C7056 0.1/16
C7057 0.1/16
C7058 0.1/16
C7059 0.1/16
C7060 0.1/16
C7061 0.1/16
C7062 0.1/16
STB3.3V
K7032 NRSA02J-0R0X
C7063 0.1/16
C7064 0.1/16
C7065 0.1/16
C7066 0.1/16
K7029 OPEN
C7068 0.1/16
VCC3DCPU
K7028 0
PLL
K7033 NRSA02J-0R0X
C7067 0.1/16
A-D CONVERT / YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ ENHANCER / NR

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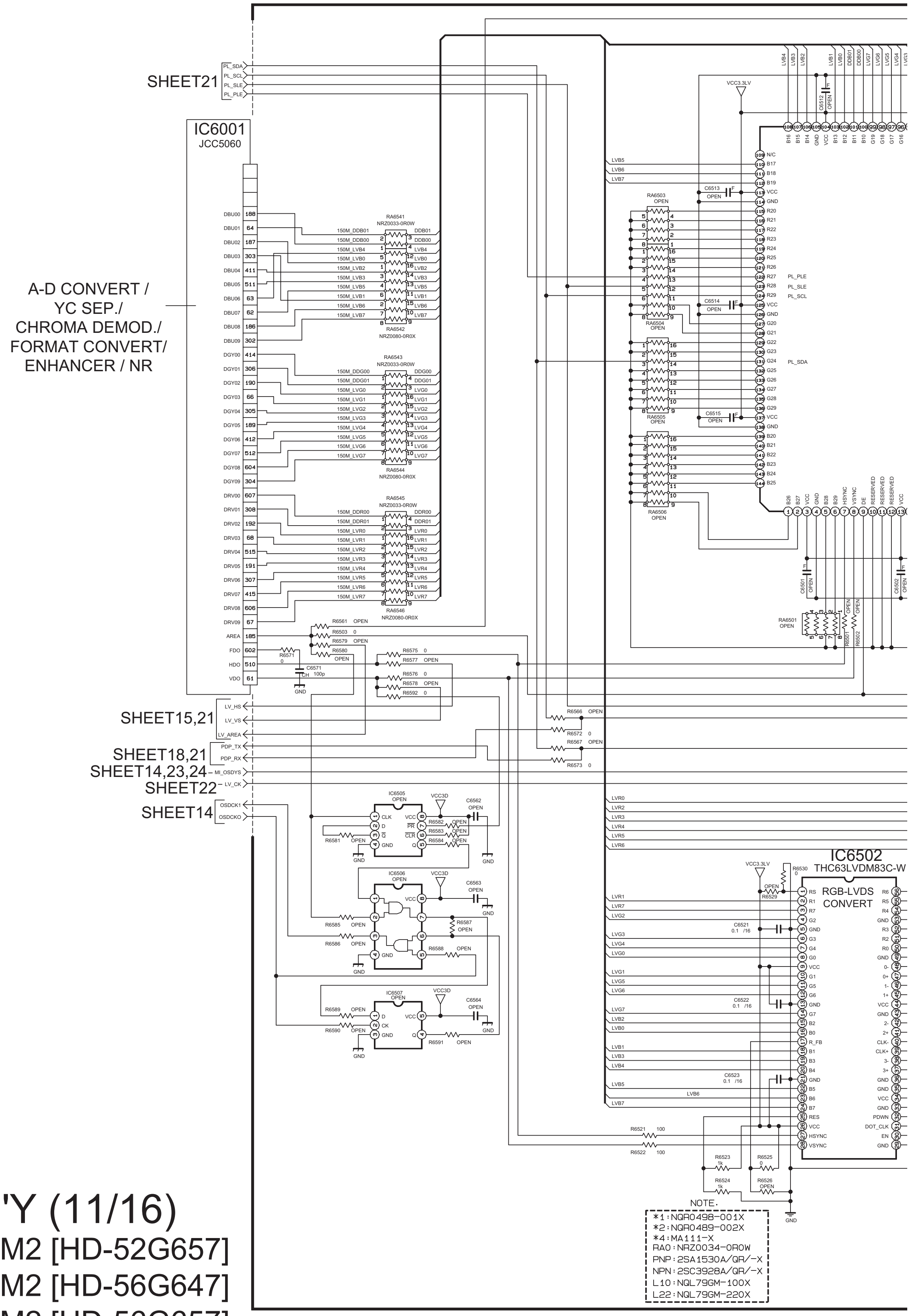
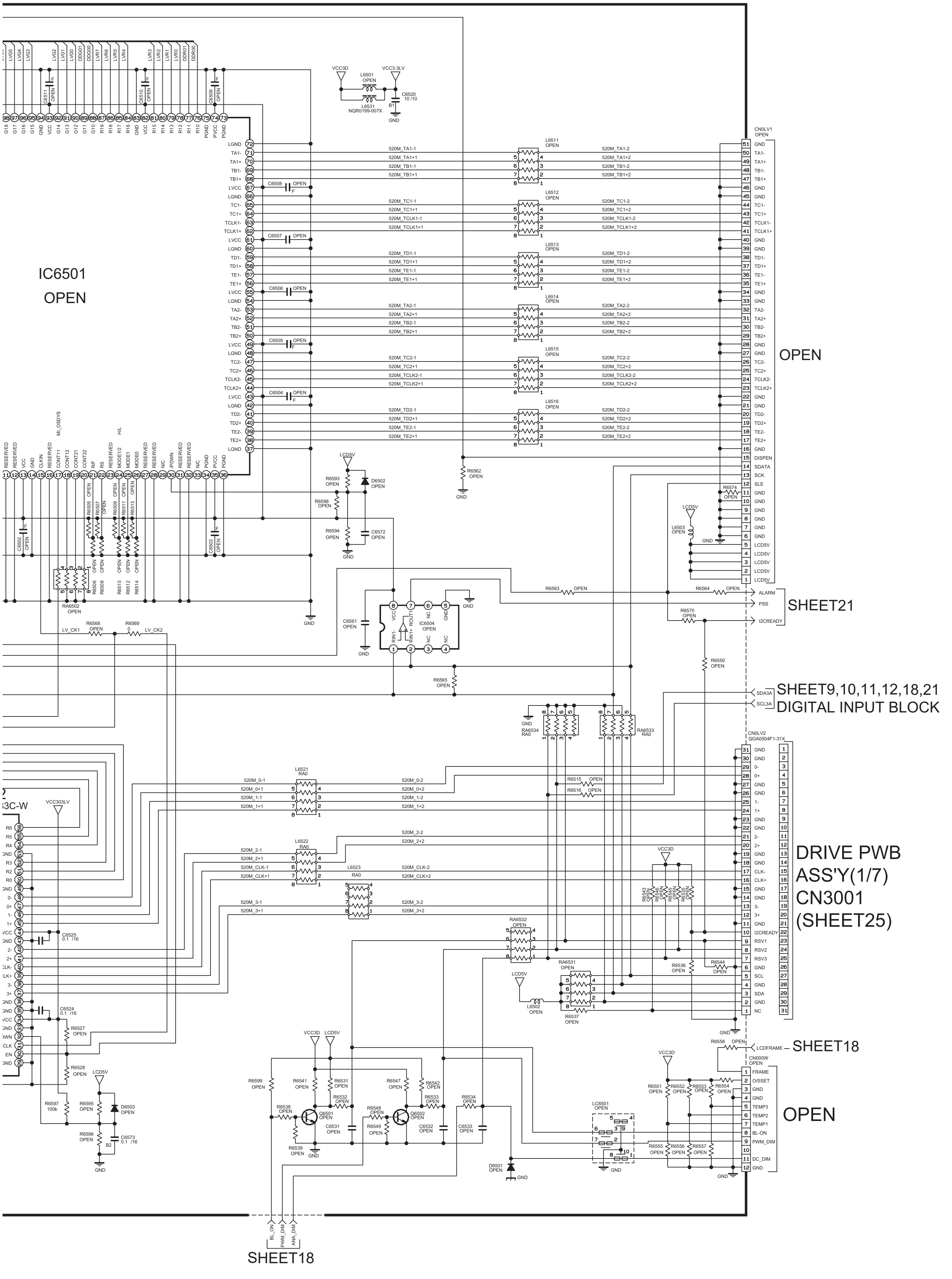
DIGITAL PWB CIRCUIT DIAGRAM (11/16) [LVDS BLOCK] SHEET 19


SHEET21
PL_SDA
PL_SCL
PL_SLE
PL_PLE
IC6001
JCC5060
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCER / NR
RA6541
NRZ0033-0R0W
RA6542
NRZ0080-0R0X
RA6543
NRZ0033-0R0W
RA6544
NRZ0080-0R0X
RA6545
NRZ0033-0R0W
RA6546
NRZ0080-0R0X
SHEET15,21
LV_HS
LV_VS
LV_AREA
SHEET18,21
PDP_TX
PDP_RX
SHEET14,23,24
MI_OSDYS
SHEET22
LV_CK
SHEET14
OSDCK1
OSDCKO
IC6505
OPEN
IC6506
OPEN
IC6507
OPEN
VCC3D
VCC3.3LV
RA6503
OPEN
RA6504
OPEN
RA6505
OPEN
RA6506
OPEN
RA6501
OPEN
IC6502
THC63LVDM83C-W
RGB-LVDS
CONVERT
GND

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

DIGITAL
PWB ASS'Y (11/16)

SRA0D019A-M2 [HD-52G657]
SRA0D021A-M2 [HD-56G647]
SRA0D018A-M2 [HD-56G657]
SRA0D017A-M2 [HD-61G657]


IC6501
OPEN
OPEN
SHEET21
SHEET9,10,11,12,18,21
DIGITAL INPUT BLOCK
DRIVE PWB
ASS'Y(1/7)
CN3001
(SHEET25)
SHEET18
OPEN
SHEET18
CN0LV1
OPEN
CN0LV2
QGA0504F1-31X
CN000W
OPEN
IC6504
OPEN
L6501
OPEN
L6531
NQR0199-007X
C6520
10 /10
VCC3D
VCC3.3LV
VCC303LV
LCD5V
GND
L6511
L6512
L6513
L6514
L6515
L6516
L6521
L6522
L6523
RA0
RA6502
RA6531
RA6532
RA6533
RA6534
LC6501
D6501
D6502
D6503
Q6501
Q6502
C6524
C6525
0.1 /16
C6573
0.1 /16
R6597
100k
ALARM
PSS
I2CREADY
SDA3A
SCL3A
LCDFRAME
BL_ON
PWM_DIM
ANA_DIM
FRAME
O/SSET
TEMP3
TEMP2
TEMP1
BL-ON
DC_DIM
520M_TA1-1
520M_TA1+1
520M_TB1-1
520M_TB1+1
520M_TC1-1
520M_TC1+1
520M_TCLK1-1
520M_TCLK1+1
520M_TD1-1
520M_TD1+1
520M_TE1-1
520M_TE1+1
520M_TA2-1
520M_TA2+1
520M_TB2-1
520M_TB2+1
520M_TC2-1
520M_TC2+1
520M_TCLK2-1
520M_TCLK2+1
520M_TD2-1
520M_TD2+1
520M_TE2-1
520M_TE2+1
520M_0-1
520M_0+1
520M_1-1
520M_1+1
520M_2-1
520M_2+1
520M_CLK-1
520M_CLK+1
520M_3-1
520M_3+1
LV_CK1
LV_CK2
B1
B2

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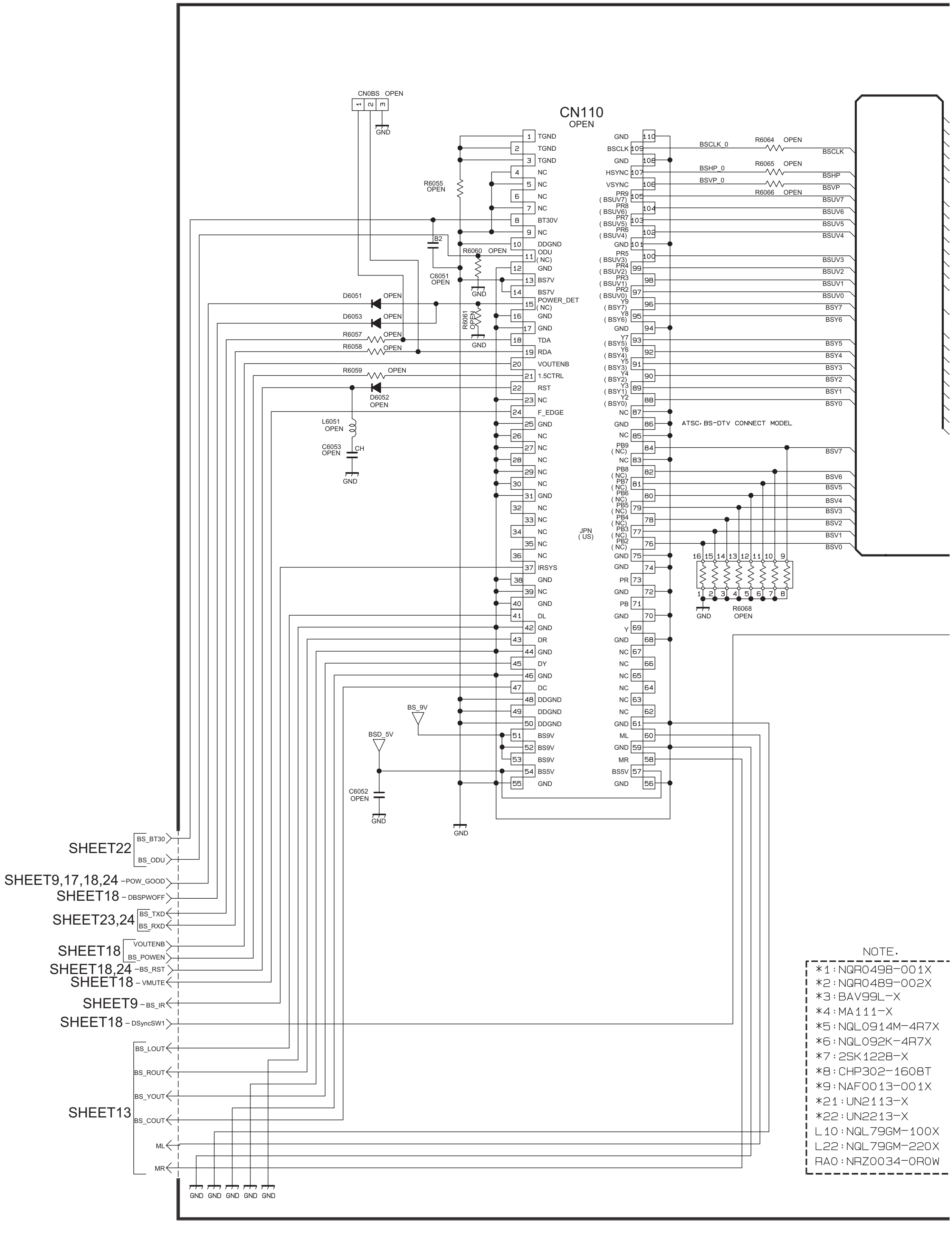
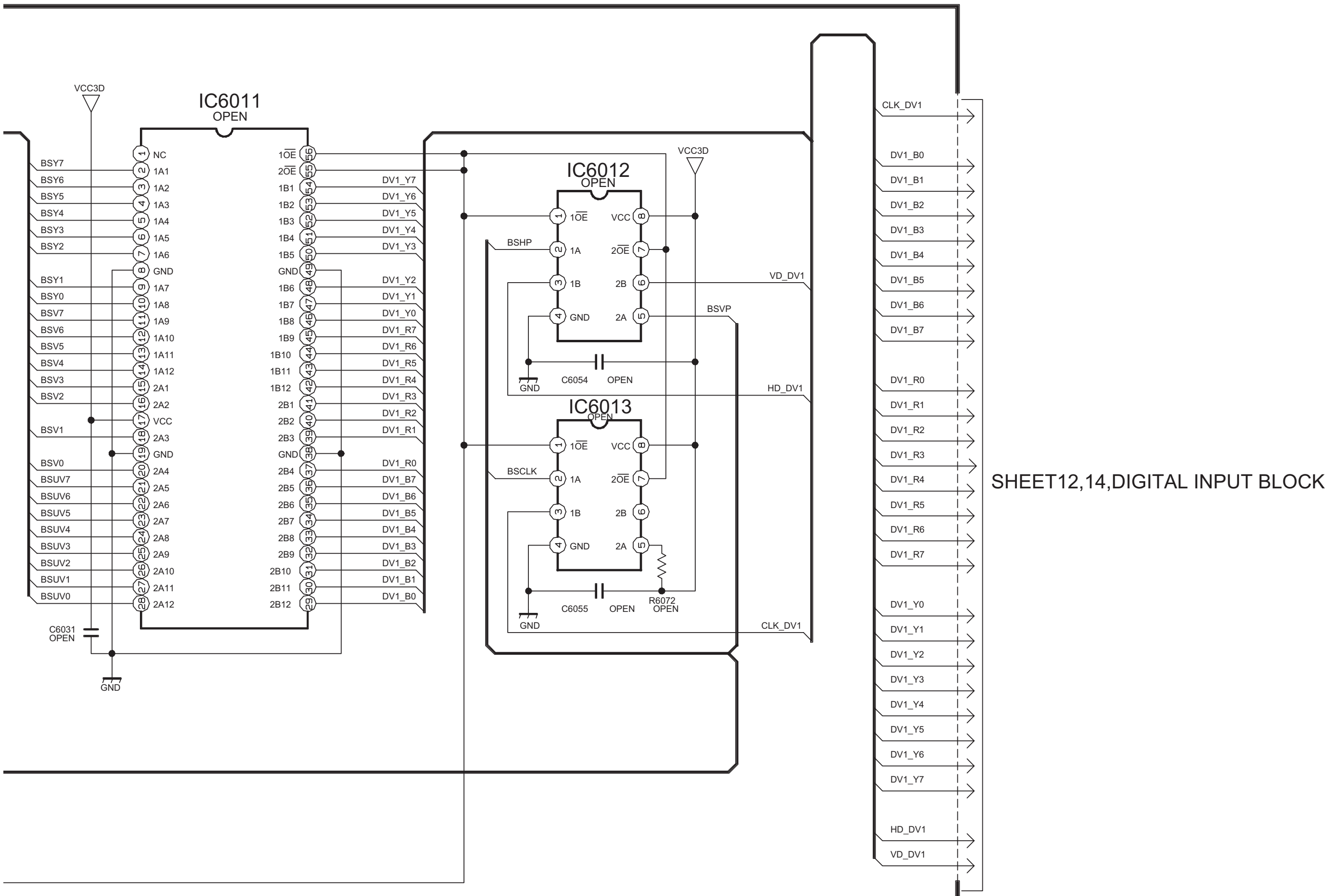
DIGITAL PWB CIRCUIT DIAGRAM (12/16) [DTV INTERFACE BLOCK] SHEET 20


CN0BS OPEN
GND
CN110
OPEN
1 TGND
2 TGND
3 TGND
4 NC
5 NC
6 NC
7 NC
8 BT30V
9 NC
10 DDGND
11 ODU (NC)
12 GND
13 BS7V
14 BS7V
15 POWER_DET (NC)
16 GND
17 GND
18 TDA
19 RDA
20 VOUTENB
21 1.5CTRL
22 RST
23 NC
24 F_EDGE
25 GND
26 NC
27 NC
28 NC
29 NC
30 NC
31 GND
32 NC
33 NC
34 NC
35 NC
36 NC
37 IRSYS
38 GND
39 NC
40 GND
41 DL
42 GND
43 DR
44 GND
45 DY
46 GND
47 DC
48 DDGND
49 DDGND
50 DDGND
51 BS9V
52 BS9V
53 BS9V
54 BS5V
55 GND
GND 110
BSCLK 109
GND 108
HSYNC 107
VSYNC 106
PR9 (BSUV7) 105
PR8 (BSUV6) 104
PR7 (BSUV5) 103
PR6 (BSUV4) 102
GND 101
PR5 (BSUV3) 100
PR4 (BSUV2) 99
PR3 (BSUV1) 98
PR2 (BSUV0) 97
Y9 (BSY7) 96
Y8 (BSY6) 95
GND 94
Y7 (BSY5) 93
Y6 (BSY4) 92
Y5 (BSY3) 91
Y4 (BSY2) 90
Y3 (BSY1) 89
Y2 (BSY0) 88
NC 87
GND 86
NC 85
PB9 (NC) 84
NC 83
PB8 (NC) 82
PB7 (NC) 81
PB6 (NC) 80
PB5 (NC) 79
PB4 (NC) 78
PB3 (NC) 77
PB2 (NC) 76
GND 75
GND 74
PR 73
GND 72
PB 71
GND 70
Y 69
GND 68
NC 67
NC 66
NC 65
NC 64
NC 63
NC 62
GND 61
ML 60
GND 59
MR 58
BS5V 57
GND 56
JPN (US)
BSCLK_0
BSHP_0
BSVP_0
R6064 OPEN
R6065 OPEN
R6066 OPEN
BSCLK
BSHP
BSVP
BSUV7
BSUV6
BSUV5
BSUV4
BSUV3
BSUV2
BSUV1
BSUV0
BSY7
BSY6
BSY5
BSY4
BSY3
BSY2
BSY1
BSY0
ATSC·BS-DTV CONNECT MODEL
BSV7
BSV6
BSV5
BSV4
BSV3
BSV2
BSV1
BSV0
16 15 14 13 12 11 10 9
1 2 3 4 5 6 7 8
R6068 OPEN
GND
R6055 OPEN
B2
C6051 OPEN
R6060 OPEN
R6061 OPEN
GND
D6051 OPEN
D6053 OPEN
R6057 OPEN
R6058 OPEN
R6059 OPEN
D6052 OPEN
L6051 OPEN
C6053 OPEN
CH
GND
BS_9V
BSD_5V
C6052 OPEN
GND
GND
SHEET22
BS_BT30
BS_ODU
SHEET9,17,18,24
POW_GOOD
SHEET18
DBSPWOFF
SHEET23,24
BS_TXD
BS_RXD
SHEET18
VOUTENB
BS_POWEN
SHEET18,24
BS_RST
SHEET18
VMUTE
SHEET9
BS_IR
SHEET18
DSyncSW1
SHEET13
BS_LOUT
BS_ROUT
BS_YOUT
BS_COUT
ML
MR
GND GND GND GND GND

NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*3:BAV99L-X
*4:MA111-X
*5:NQL0914M-4R7X
*6:NQL092K-4R7X
*7:2SK1228-X
*8:CHP302-1608T
*9:NAF0013-001X
*21:UN2113-X
*22:UN2213-X
L10:NQL79GM-100X
L22:NQL79GM-220X
RA0:NRZ0034-0R0W



VCC3D
IC6011
OPEN
NC
1A1
1A2
1A3
1A4
1A5
1A6
GND
1A7
1A8
1A9
1A10
1A11
1A12
2A1
2A2
VCC
2A3
GND
2A4
2A5
2A6
2A7
2A8
2A9
2A10
2A11
2A12
1OE
2OE
1B1
1B2
1B3
1B4
1B5
GND
1B6
1B7
1B8
1B9
1B10
1B11
1B12
2B1
2B2
2B3
GND
2B4
2B5
2B6
2B7
2B8
2B9
2B10
2B11
2B12
BSY7
BSY6
BSY5
BSY4
BSY3
BSY2
BSY1
BSY0
BSV7
BSV6
BSV5
BSV4
BSV3
BSV2
BSV1
BSV0
BSUV7
BSUV6
BSUV5
BSUV4
BSUV3
BSUV2
BSUV1
BSUV0
DV1_Y7
DV1_Y6
DV1_Y5
DV1_Y4
DV1_Y3
DV1_Y2
DV1_Y1
DV1_Y0
DV1_R7
DV1_R6
DV1_R5
DV1_R4
DV1_R3
DV1_R2
DV1_R1
DV1_R0
DV1_B7
DV1_B6
DV1_B5
DV1_B4
DV1_B3
DV1_B2
DV1_B1
DV1_B0
C6031
OPEN
GND
IC6012
OPEN
VCC3D
1OE
1A
1B
GND
VCC
2OE
2B
2A
BSHP
BSVP
VD_DV1
C6054
OPEN
GND
HD_DV1
IC6013
OPEN
BSCLK
C6055
OPEN
R6072
OPEN
GND
CLK_DV1
CLK_DV1
DV1_B0
DV1_B1
DV1_B2
DV1_B3
DV1_B4
DV1_B5
DV1_B6
DV1_B7
DV1_R0
DV1_R1
DV1_R2
DV1_R3
DV1_R4
DV1_R5
DV1_R6
DV1_R7
DV1_Y0
DV1_Y1
DV1_Y2
DV1_Y3
DV1_Y4
DV1_Y5
DV1_Y6
DV1_Y7
HD_DV1
VD_DV1
SHEET12,14,DIGITAL INPUT BLOCK

DIGITAL
PWB ASS'Y (12/16)

SRA0D019A-M2 [HD-52G657]
SRA0D021A-M2 [HD-56G647]
SRA0D018A-M2 [HD-56G657]
SRA0D017A-M2 [HD-61G657]

X
X

7X
X

T
X

OX
OX
OW

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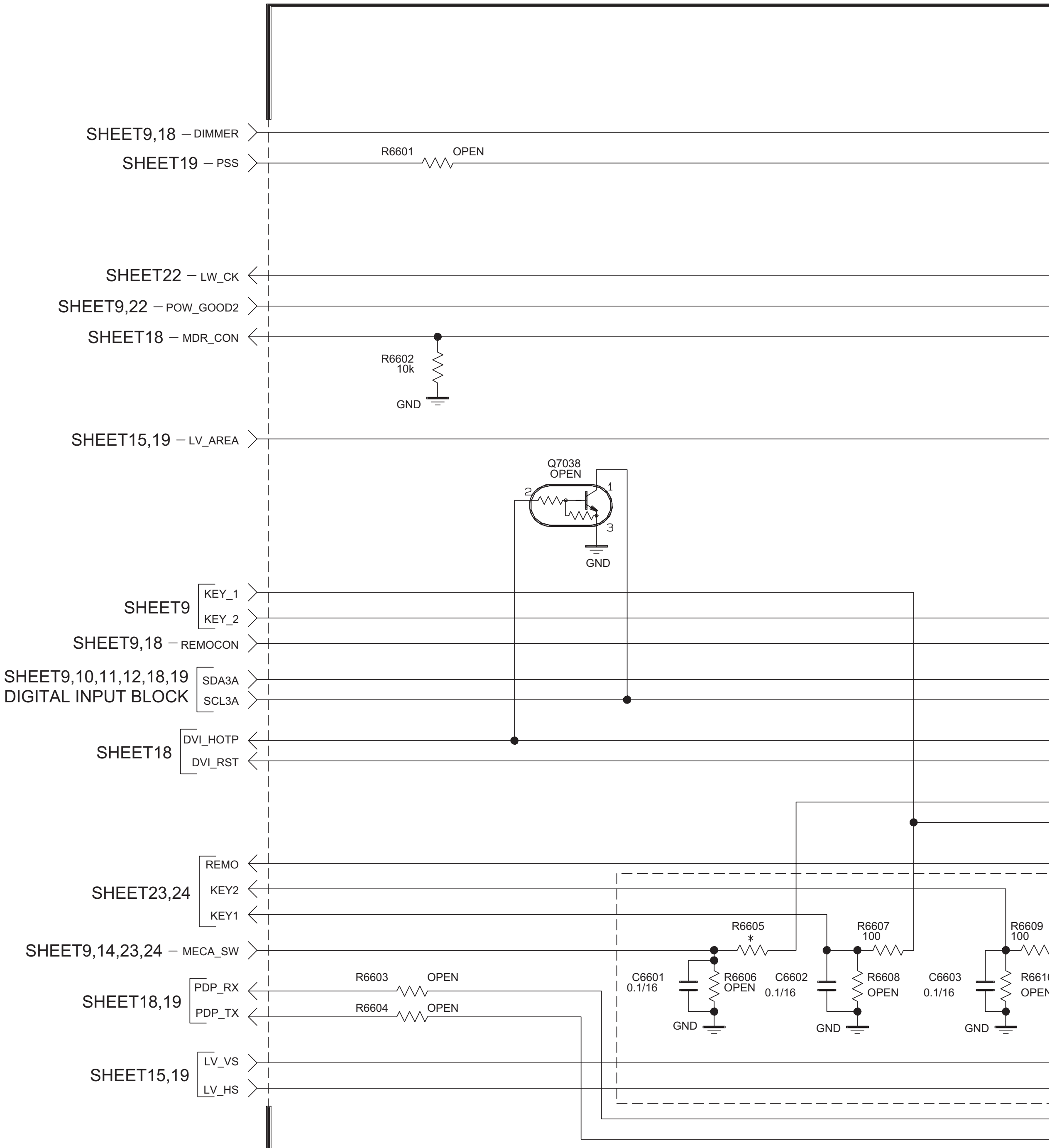
DIGITAL PWB CIRCUIT DIAGRAM (13/16) [DVI OUT BLOCK] SHEET 21

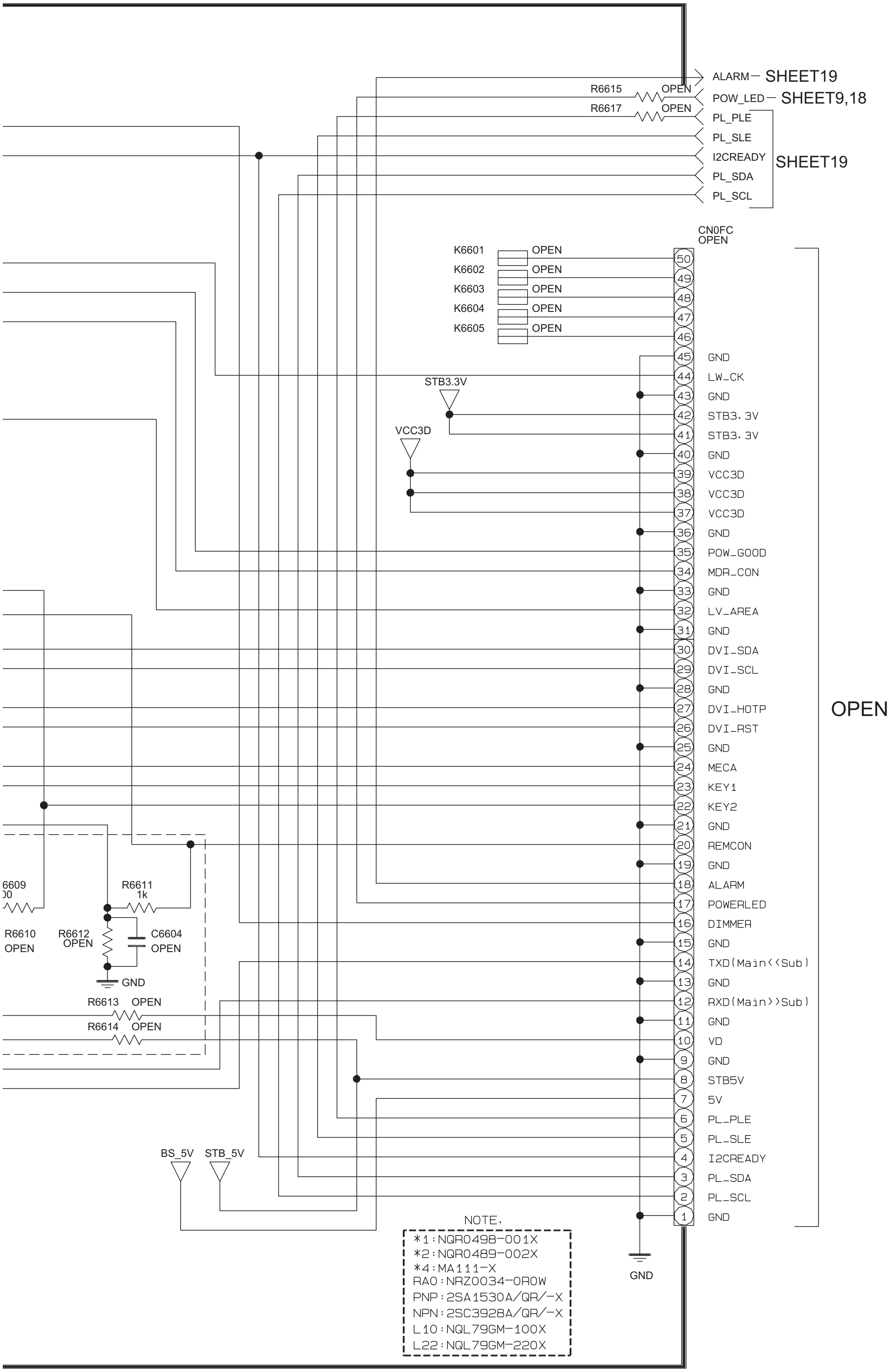

SHEET9,18 – DIMMER
SHEET19 – PSS
R6601 OPEN
SHEET22 – LW_CK
SHEET9,22 – POW_GOOD2
SHEET18 – MDR_CON
R6602 10k
GND
SHEET15,19 – LV_AREA
Q7038 OPEN
1
2
3
GND
SHEET9
KEY_1
KEY_2
SHEET9,18 – REMOCON
SHEET9,10,11,12,18,19
DIGITAL INPUT BLOCK
SDA3A
SCL3A
SHEET18
DVI_HOTP
DVI_RST
SHEET23,24
REMO
KEY2
KEY1
SHEET9,14,23,24 – MECA_SW
R6605 *
R6607 100
R6609 100
C6601 0.1/16
R6606 OPEN
C6602 0.1/16
R6608 OPEN
C6603 0.1/16
R661 OPEN
GND
GND
GND
SHEET18,19
PDP_RX
PDP_TX
R6603 OPEN
R6604 OPEN
SHEET15,19
LV_VS
LV_HS

DIGITAL PWB ASS'Y (13/16)

SRA0D019A-M2 [HD-52G657]
SRA0D021A-M2 [HD-56G647]
SRA0D018A-M2 [HD-56G657]
SRA0D017A-M2 [HD-61G657]

* DIFFERENCE LIST

ASSY NO.	SRA -0D011A	SRA -0D012A	SRA -0D013A	SRA -0D014A	SRA -0D015A	SRA -0D016A	SRA -0D017A	SRA -0D018A	SRA -0D019A	SRA -0D020A	SRA -0D021A	SRA -0D022A	SRA -0D023A	SRA -0D024A
	OLLC09895	OLLC09895 -02	OLLC09895 -03	OLLC09895 -04	OLLC09895 -05	OLLC09895 -06	OLLC10086	OLLC10086 -02	OLLC10086 -03	OLLC10086 -04	OLLC10086 -05	OLLC10086 -06	OLLC10086 -07	OLLC10086 -08
R6605	100	100	100	100	100	100	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN


ALARM SHEET19
POW_LED SHEET9,18
PL_PLE
PL_SLE
I2CREADY
PL_SDA
PL_SCL
SHEET19
R6615 OPEN
R6617 OPEN
CN0FC
OPEN
K6601 OPEN
K6602 OPEN
K6603 OPEN
K6604 OPEN
K6605 OPEN
STB3.3V
VCC3D
50
49
48
47
46
45 GND
44 LW_CK
43 GND
42 STB3.3V
41 STB3.3V
40 GND
39 VCC3D
38 VCC3D
37 VCC3D
36 GND
35 POW_GOOD
34 MDR_CON
33 GND
32 LV_AREA
31 GND
30 DVI_SDA
29 DVI_SCL
28 GND
27 DVI_HOTP
26 DVI_RST
25 GND
24 MECA
23 KEY1
22 KEY2
21 GND
20 REMCON
19 GND
18 ALARM
17 POWERLED
16 DIMMER
15 GND
14 TXD(Main<<Sub)
13 GND
12 RXD(Main>>Sub)
11 GND
10 VD
9 GND
8 STB5V
7 5V
6 PL_PLE
5 PL_SLE
4 I2CREADY
3 PL_SDA
2 PL_SCL
1 GND
OPEN
6609
R6611 1k
R6610 OPEN
R6612 OPEN
C6604 OPEN
GND
R6613 OPEN
R6614 OPEN
BS_5V
STB_5V
GND

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

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DIGITAL PWB CIRCUIT DIAGRAM (14/16) [POWER SUPPLY BLOCK] SHEET 22

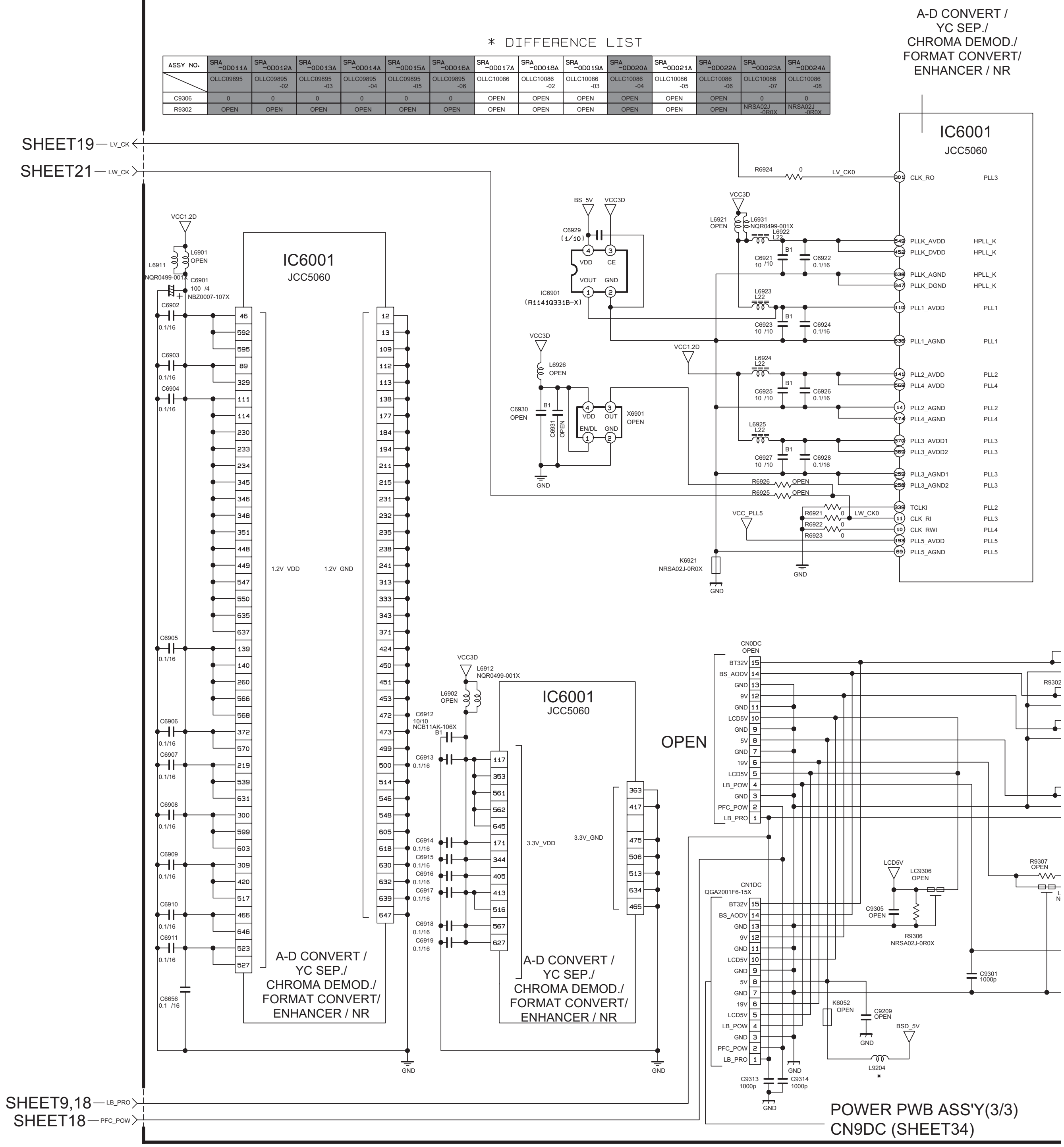
DIGITAL PWB ASS'Y (14/16)

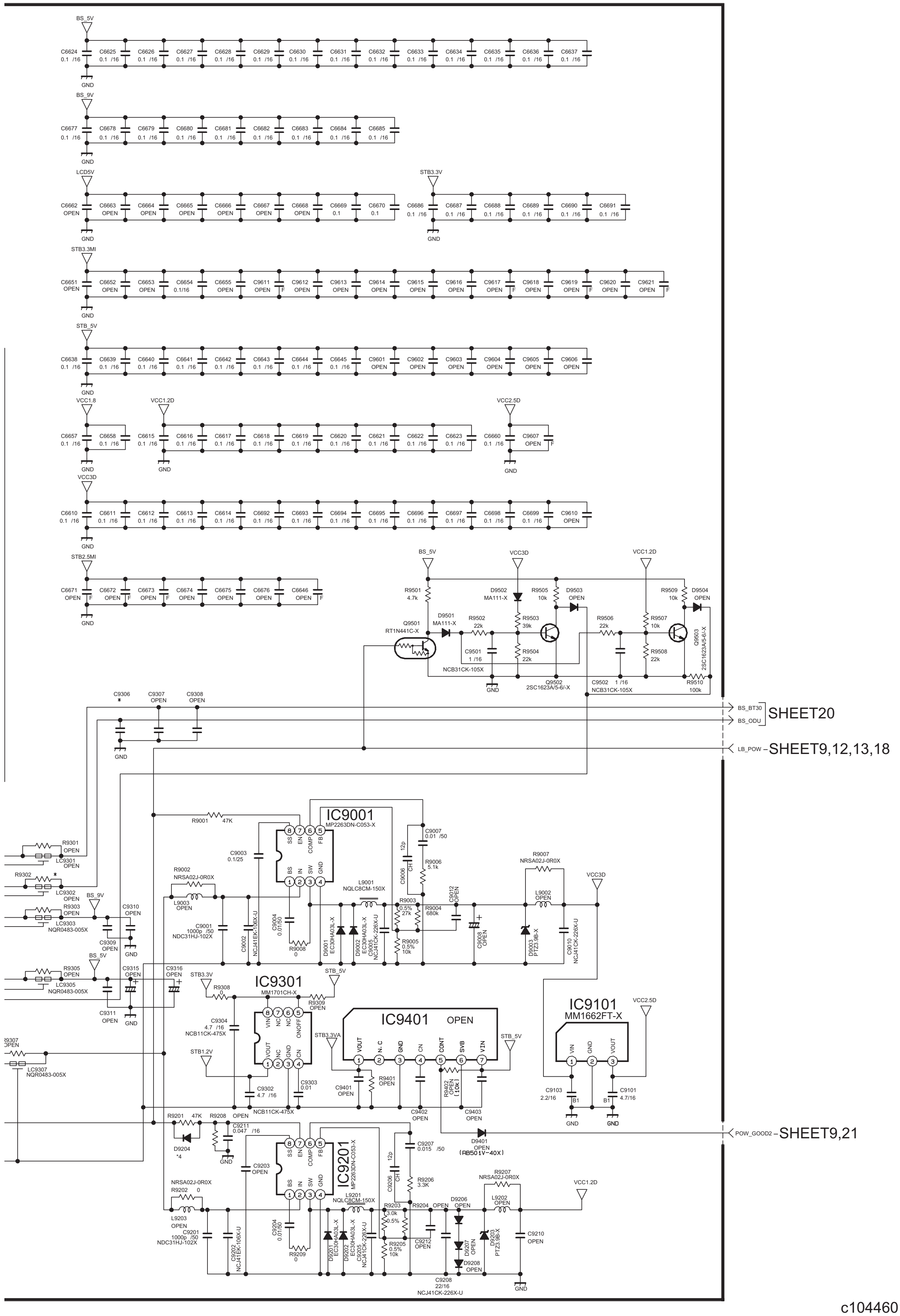
SRA0D019A-M2 [HD-52G657]
SRA0D021A-M2 [HD-56G647]
SRA0D018A-M2 [HD-56G657]
SRA0D017A-M2 [HD-61G657]

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

* DIFFERENCE LIST

ASSY NO.	SRA -0D011A	SRA -0D012A	SRA -0D013A	SRA -0D014A	SRA -0D015A	SRA -0D016A	SRA -0D017A	SRA -0D018A	SRA -0D019A	SRA -0D020A	SRA -0D021A	SRA -0D022A	SRA -0D023A	SRA -0D024A
	OLLC09895	OLLC09895 -02	OLLC09895 -03	OLLC09895 -04	OLLC09895 -05	OLLC09895 -06	OLLC10086	OLLC10086 -02	OLLC10086 -03	OLLC10086 -04	OLLC10086 -05	OLLC10086 -06	OLLC10086 -07	OLLC10086 -08
C9306	0	0	0	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0	0
R9302	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	NRSA02J -0R0X	NRSA02J -0R0X


A-D CONVERT / YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ ENHANCER / NR
IC6001
JCC5060
SHEET19 LV_CK
SHEET21 LW_CK
R6924 0 LV_CK0
CLK_RO PLL3
VCC3D
BS_5V
L6921 OPEN
L6931 NQR0499-001X
L6922 L22
PLLK_AVDD HPLL_K
PLLK_DVDD HPLL_K
PLLK_AGND HPLL_K
PLLK_DGND HPLL_K
C6921 10 /10
C6922 0.1/16
C6929 (1/10)
VDD CE
VOUT GND
IC6901 (R1141Q331B-X)
L6923 L22
PLL1_AVDD PLL1
C6923 10 /10
C6924 0.1/16
PLL1_AGND PLL1
VCC1.2D
L6924 L22
PLL2_AVDD PLL2
PLL4_AVDD PLL4
C6925 10 /10
C6926 0.1/16
PLL2_AGND PLL2
PLL4_AGND PLL4
L6926 OPEN
C6930 OPEN
C6931 OPEN
EN/DL GND
VDD OUT
X6901 OPEN
L6925 L22
PLL3_AVDD1 PLL3
PLL3_AVDD2 PLL3
C6927 10 /10
C6928 0.1/16
R6926 OPEN
PLL3_AGND1 PLL3
PLL3_AGND2 PLL3
R6925 OPEN
TCLKI PLL2
VCC_PLL5
R6921 0 LW_CK0
CLK_RI PLL3
R6922 0
CLK_RWI PLL4
R6923 0
PLL5_AVDD PLL5
PLL5_AGND PLL5
K6921 NRSA02J-0R0X
GND
VCC1.2D
L6901 OPEN
L6911 NQR0499-001X
C6901 100 /4 NBZ0007-107X
C6902 0.1/16
C6903 0.1/16
C6904 0.1/16
C6905 0.1/16
C6906 0.1/16
C6907 0.1/16
C6908 0.1/16
C6909 0.1/16
C6910 0.1/16
C6911 0.1/16
C6656 0.1 /16
1.2V_VDD
1.2V_GND
A-D CONVERT / YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ ENHANCER / NR
VCC3D
L6912 NQR0499-001X
L6902 OPEN
C6912 10/10 NCB11AK-106X
C6913 0.1/16
C6914 0.1/16
C6915 0.1/16
C6916 0.1/16
C6917 0.1/16
C6918 0.1/16
C6919 0.1/16
3.3V_VDD
3.3V_GND
OPEN
CN0DC OPEN
BT32V
BS_AODV
GND
9V
LCD5V
5V
19V
LB_POW
PFC_POW
LB_PRO
R9302
CN1DC QGA2001F6-15X
LCD5V
LC9306 OPEN
C9305 OPEN
R9306 NRSA02J-0R0X
R9307 OPEN
C9301 1000p
K6052 OPEN
C9209 OPEN
BSD_5V
L9204 *
C9313 1000p
C9314 1000p
SHEET9,18 LB_PRO
SHEET18 PFC_POW
POWER PWB ASS'Y(3/3) CN9DC (SHEET34)



BS_5V
C6624 0.1 /16
C6625 0.1 /16
C6626 0.1 /16
C6627 0.1 /16
C6628 0.1 /16
C6629 0.1 /16
C6630 0.1 /16
C6631 0.1 /16
C6632 0.1 /16
C6633 0.1 /16
C6634 0.1 /16
C6635 0.1 /16
C6636 0.1 /16
C6637 0.1 /16
GND
BS_9V
C6677 0.1 /16
C6678 0.1 /16
C6679 0.1 /16
C6680 0.1 /16
C6681 0.1 /16
C6682 0.1 /16
C6683 0.1 /16
C6684 0.1 /16
C6685 0.1 /16
GND
LCD5V
C6662 OPEN
C6663 OPEN
C6664 OPEN
C6665 OPEN
C6666 OPEN
C6667 OPEN
C6668 OPEN
C6669 0.1
C6670 0.1
GND
STB3.3V
C6686 0.1 /16
C6687 0.1 /16
C6688 0.1 /16
C6689 0.1 /16
C6690 0.1 /16
C6691 0.1 /16
GND
STB3.3MI
C6651 OPEN
C6652 OPEN
C6653 OPEN
C6654 0.1/16
C6655 OPEN
C9611 OPEN F
C9612 OPEN
C9613 OPEN
C9614 OPEN
C9615 OPEN
C9616 OPEN
C9617 OPEN F
C9618 OPEN
C9619 OPEN F
C9620 OPEN
C9621 OPEN F
GND
STB_5V
C6638 0.1 /16
C6639 0.1 /16
C6640 0.1 /16
C6641 0.1 /16
C6642 0.1 /16
C6643 0.1 /16
C6644 0.1 /16
C6645 0.1 /16
C9601 OPEN
C9602 OPEN
C9603 OPEN
C9604 OPEN
C9605 OPEN
C9606 OPEN
GND
VCC1.8
C6657 0.1 /16
C6658 0.1 /16
GND
VCC1.2D
C6615 0.1 /16
C6616 0.1 /16
C6617 0.1 /16
C6618 0.1 /16
C6619 0.1 /16
C6620 0.1 /16
C6621 0.1 /16
C6622 0.1 /16
C6623 0.1 /16
GND
VCC2.5D
C6660 0.1 /16
C9607 OPEN F
GND
VCC3D
C6610 0.1 /16
C6611 0.1 /16
C6612 0.1 /16
C6613 0.1 /16
C6614 0.1 /16
C6692 0.1 /16
C6693 0.1 /16
C6694 0.1 /16
C6695 0.1 /16
C6696 0.1 /16
C6697 0.1 /16
C6698 0.1 /16
C6699 0.1 /16
C9610 OPEN
GND
STB2.5MI
C6671 OPEN F
C6672 OPEN F
C6673 OPEN F
C6674 OPEN
C6675 OPEN
C6676 OPEN
C6646 OPEN F
GND
BS_5V
VCC3D
VCC1.2D
R9501 4.7k
D9502 MA111-X
R9505 10k
D9503 OPEN
R9509 10k
D9504 OPEN
D9501 MA111-X
R9502 22k
R9503 39k
R9506 22k
R9507 10k
Q9503 2SC1623A/5-6/-X
Q9501 RT1N441C-X
C9501 1 /16
R9504 22k
R9508 22k
NCB31CK-105X
GND
Q9502 2SC1623A/5-6/-X
C9502 1 /16 NCB31CK-105X
R9510 100k
C9306 *
C9307 OPEN
C9308 OPEN
GND
BS_BT30
BS_ODU
SHEET20
LB_POW
SHEET9,12,13,18
IC9001
MP2263DN-C053-X
R9001 47K
SS EN COMP FB
BS IN SW GND
C9003 0.1/25
C9007 0.01 /50
12p
C9006 CH
R9006 5.1k
R9301 OPEN
LC9301 OPEN
R9302 *
LC9302 OPEN
R9303 OPEN
LC9303 NQR0483-005X
BS_9V
C9310 OPEN
C9309 OPEN
GND
R9002 NRSA02J-0R0X
L9003 OPEN
C9001 1000p /50 NDC31HJ-102X
C9002 NCJ41EK-106X-U
C9004 0.01/50
R9008 0
L9001 NQLC8CM-150X
D9001 EC30HA03L-X
D9002 EC30HA03L-X
C9005 NCJ41CK-226X-U
R9003 0.5% 27k
R9004 680k
R9005 0.5% 10k
C9012 OPEN
C9008 OPEN
R9007 NRSA02J-0R0X
L9002 OPEN
VCC3D
D9003 PTZ3.9B-X
C9010 NCJ41CK-226X-U
BS_5V
R9305 OPEN
LC9305 NQR0483-005X
C9315 OPEN
C9316 OPEN
C9311 OPEN
GND
STB3.3V
STB_5V
IC9301
MM1701CH-X
R9308 0
R9309 OPEN
C9304 4.7 /16 NCB11CK-475X
VIN NC NC ONOFF
VOUT NC GND CN
STB1.2V
C9302 4.7 /16
C9303 0.01
NCB11CK-475X
R9307 OPEN
LC9307 NQR0483-005X
IC9401 OPEN
STB3.3VA
STB_5V
VOUT N.C GND CN CONT SVB VIN
C9401 OPEN
R9401 OPEN
R9402 OPEN (10k)
C9402 OPEN
C9403 OPEN
IC9101
MM1662FT-X
VIN GND VOUT
VCC2.5D
C9103 2.2/16
C9101 4.7/16
B1
B1
GND
GND
D9401 OPEN (RB501V-40X)
POW_GOOD2
SHEET9,21
R9201 47K
R9208 OPEN
C9211 0.047 /16
D9204 *4
GND
IC9201
MP2263DN-C053-X
C9203 OPEN
C9207 0.015 /50
12p
C9206 CH
R9206 3.3K
R9207 NRSA02J-0R0X
VCC1.2D
NRSA02J-0R0X
R9202 0
L9203 OPEN
C9201 1000p /50 NDC31HJ-102X
C9202 NCJ41EK-106X-U
C9204 0.01/50
R9209 0
L9201 NQLC8CM-150X
D9201 EC30HA03L-X
D9202 EC30HA03L-X
C9205 NCJ41CK-226X-U
R9203 3.0k 0.5%
R9204 OPEN
R9205 0.5% 10k
C9212 OPEN
D9206 OPEN
D9207 OPEN
D9208 OPEN
L9202 OPEN
D9203 PTZ3.9B-X
C9210 OPEN
C9208 22/16 NCJ41CK-226X-U
GND

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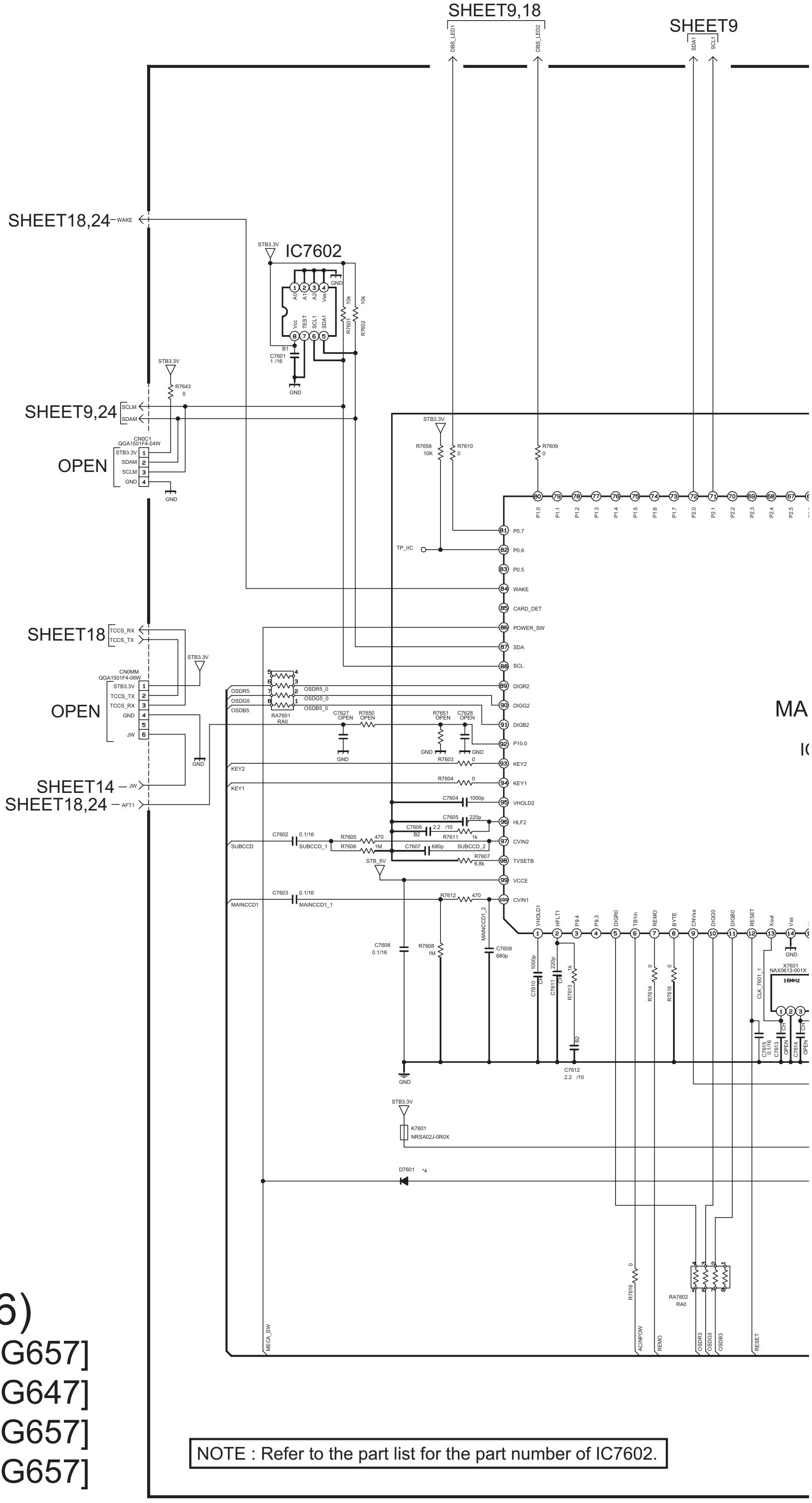

SHEET9,18
D8S_LED1
D8S_LED2
SHEET9
SDA1
SCL1
SHEET18,24
WAKE
STB3.3V
IC7602
A0
A1
A2
Vss
Vcc
TEST
SCL1
SDA1
GND
10k
10k
R7601
R7602
B1
C7601
1 /16
GND
STB3.3V
R7643
0
SHEET9,24
SCLM
SDAM
CN0C1
QGA1501F4-04W
STB3.3V
SDAM
SCLM
GND
OPEN
GND
STB3.3V
R7658
10K
R7610
0
R7609
0
P1.0
P1.1
P1.2
P1.3
P1.4
P1.5
P1.6
P1.7
P2.0
P2.1
P2.2
P2.3
P2.4
P2.5
TP_IIC
P0.7
P0.6
P0.5
WAKE
CARD_DET
POWER_SW
SDA
SCL
DIGR2
DIGG2
DIGB2
P10.0
KEY2
KEY1
VHOLD2
HLF2
CVIN2
TVSETB
VCCE
CVIN1
SHEET18
TCCS_RX
TCCS_TX
STB3.3V
CN0MM
QGA1501F4-06W
STB3.3V
TCCS_TX
TCCS_RX
GND
JW
OPEN
GND
SHEET14
JW
SHEET18,24
AFT1
OSDR5
OSDG5
OSDB5
RA7601
RA0
OSDR5_0
OSDG5_0
OSDB5_0
C7627
OPEN
R7650
OPEN
R7651
OPEN
C7628
OPEN
GND
GND
GND
R7603
0
R7604
0
KEY2
KEY1
C7604
1000p
C7605
220p
C7606
2.2 /10
B2
R7611
1k
C7602
0.1/16
SUBCCD
SUBCCD_1
R7605
470
R7606
1M
C7607
680p
SUBCCD_2
R7607
6.8k
STB_5V
C7603
0.1/16
MAINCCD1
MAINCCD1_1
R7612
470
MAINCCD1_2
C7608
0.1/16
R7608
1M
C7609
680p
GND
MA
IC
VHOLD1
HFLT1
P9.4
P9.3
DIGR0
TB1in
REMO
BYTE
CNVss
DIGG0
DIGB0
RESET
Xout
Vss
C7610
1000p
CH
C7611
220p
CH
R7613
1k
B2
C7612
2.2 /10
R7614
0
R7615
0
CLK_7601_1
GND
X7601
NAX0613-001X
16MHz
C7615
0.1/16
C7613
OPEN
CH
C7614
OPEN
CH
STB3.3V
K7601
NRSA02J-0R0X
D7601
*4
R7616
0
RA7602
RA0
MECA_SW
ACINPOW
REMO
OSDR3
OSDG3
OSDB3
RESET

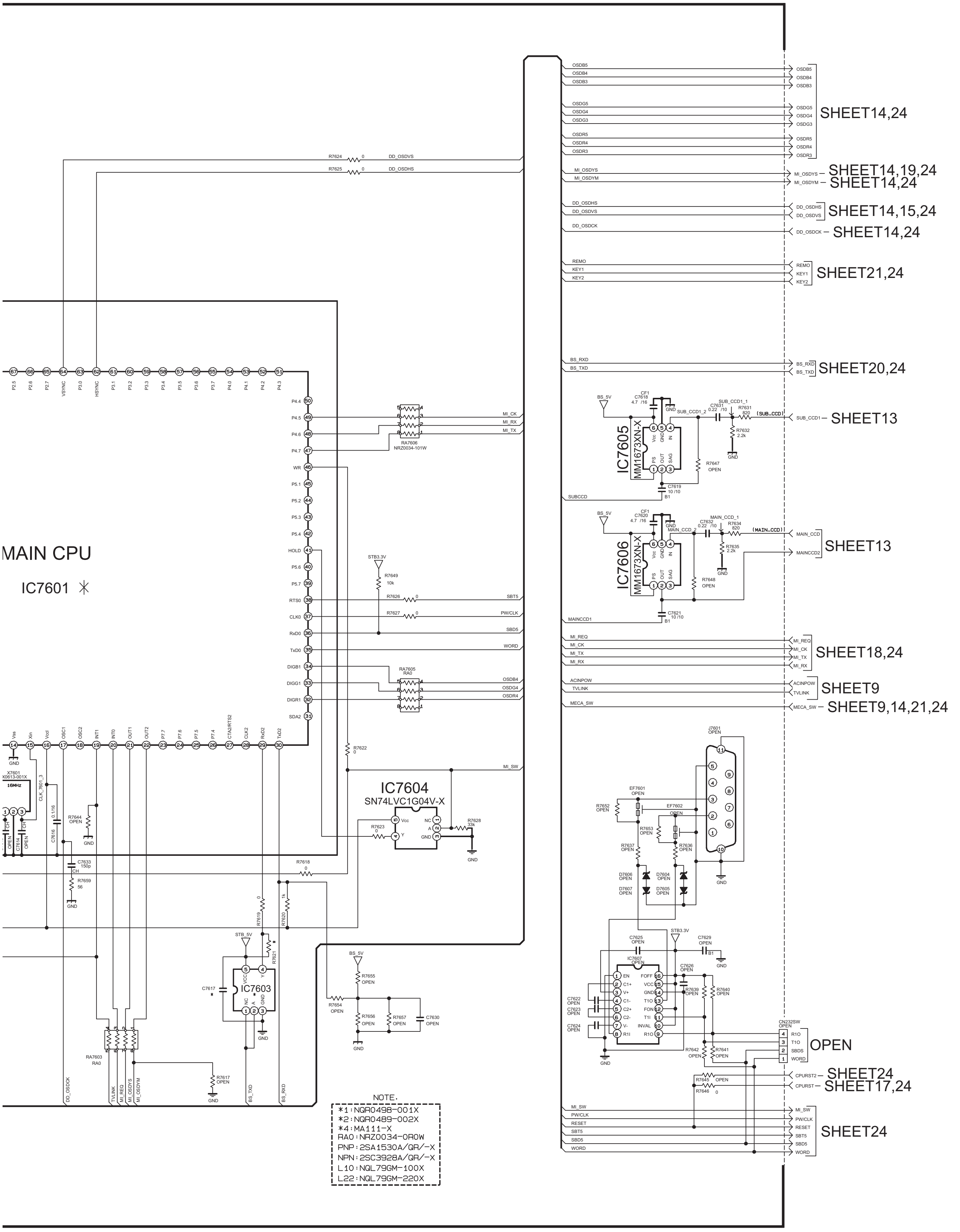
NOTE : Refer to the part list for the part number of IC7602.

DIGITAL
PWB ASS'Y (15/16)

SRA0D019A-M2 [HD-52G657]
SRA0D021A-M2 [HD-56G647]
SRA0D018A-M2 [HD-56G657]
SRA0D017A-M2 [HD-61G657]

* DIFFERENCE LIST

ASSY NO.	SRA -0D011A	SRA -0D012A	SRA -0D013A	SRA -0D014A	SRA -0D015A	SRA -0D016A	SRA -0D017A	SRA -0D018A	SRA -0D019A	SRA -0D020A	SRA -0D021A	SRA -0D022A	SRA -0D023A	SRA -0D024A
	OLLC09895	OLLC09895 -02	OLLC09895 -03	OLLC09895 -04	OLLC09895 -05	OLLC09895 -06	OLLC10086	OLLC10086 -02	OLLC10086 -03	OLLC10086 -04	OLLC10086 -05	OLLC10086 -06	OLLC10086 -07	OLLC10086 -08
IC7601	M306V7FG -152FP	M306V7FG -152FP	M306V7FG -152FP	M306V7FG -152FP	M306V7FG -152FP	M306V7FG -152FP	M306V7FG -152FP	M306V7FG -152FP	M306V7FG -152FP	M306V7FG -152FP	M306V7FG -152FP	M306V7FG -152FP	M306V7FG -153FP	M306V7FG -153FP
IC7603	SN74AHCT1G 08V-X	SN74AHCT1G 08V-X	SN74AHCT1G 08V-X	SN74AHCT1G 08V-X	SN74AHCT1G 08V-X	SN74AHCT1G 08V-X	SN74AHCT1G 08V-X	SN74AHCT1G 08V-X	SN74AHCT1G 08V-X	SN74AHCT1G 08V-X	SN74AHCT1G 08V-X	SN74AHCT1G 08V-X	OPEN	OPEN
C7617	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	NCB31CK -104X	OPEN	OPEN
R7621	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	10k	10k


MAIN CPU
IC7601 ⁎
SHEET14,24
SHEET14,19,24
SHEET14,24
SHEET14,15,24
SHEET14,24
SHEET21,24
SHEET20,24
SHEET13
SHEET13
SHEET18,24
SHEET9
SHEET9,14,21,24
OPEN
SHEET24
SHEET17,24
SHEET24
OSDB5
OSDB4
OSDB3
OSDG5
OSDG4
OSDG3
OSDR5
OSDR4
OSDR3
MI_OSDYS
MI_OSDYM
DD_OSDHS
DD_OSDVS
DD_OSDCK
REMO
KEY1
KEY2
BS_RXD
BS_TXD
SUB_CCD1
MAIN_CCD
MAINCCD2
SUBCCD
MAINCCD1
MI_REQ
MI_CK
MI_TX
MI_RX
ACINPOW
TVLINK
MECA_SW
CPURST2
CPURST
MI_SW
PW/CLK
RESET
SBT5
SBD5
WORD
R7624 0
R7625 0
IC7605
MM1673XN-X
IC7606
MM1673XN-X
IC7604
SN74LVC1G04V-X
IC7603
IC7607 OPEN
RA7606 NRZ0034-101W
RA7605 RA0
RA7603 RA0
X7601 X0613-001X 16MHz
J7601 OPEN
CN232SW OPEN
BS_5V
STB3.3V
STB_5V
GND

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

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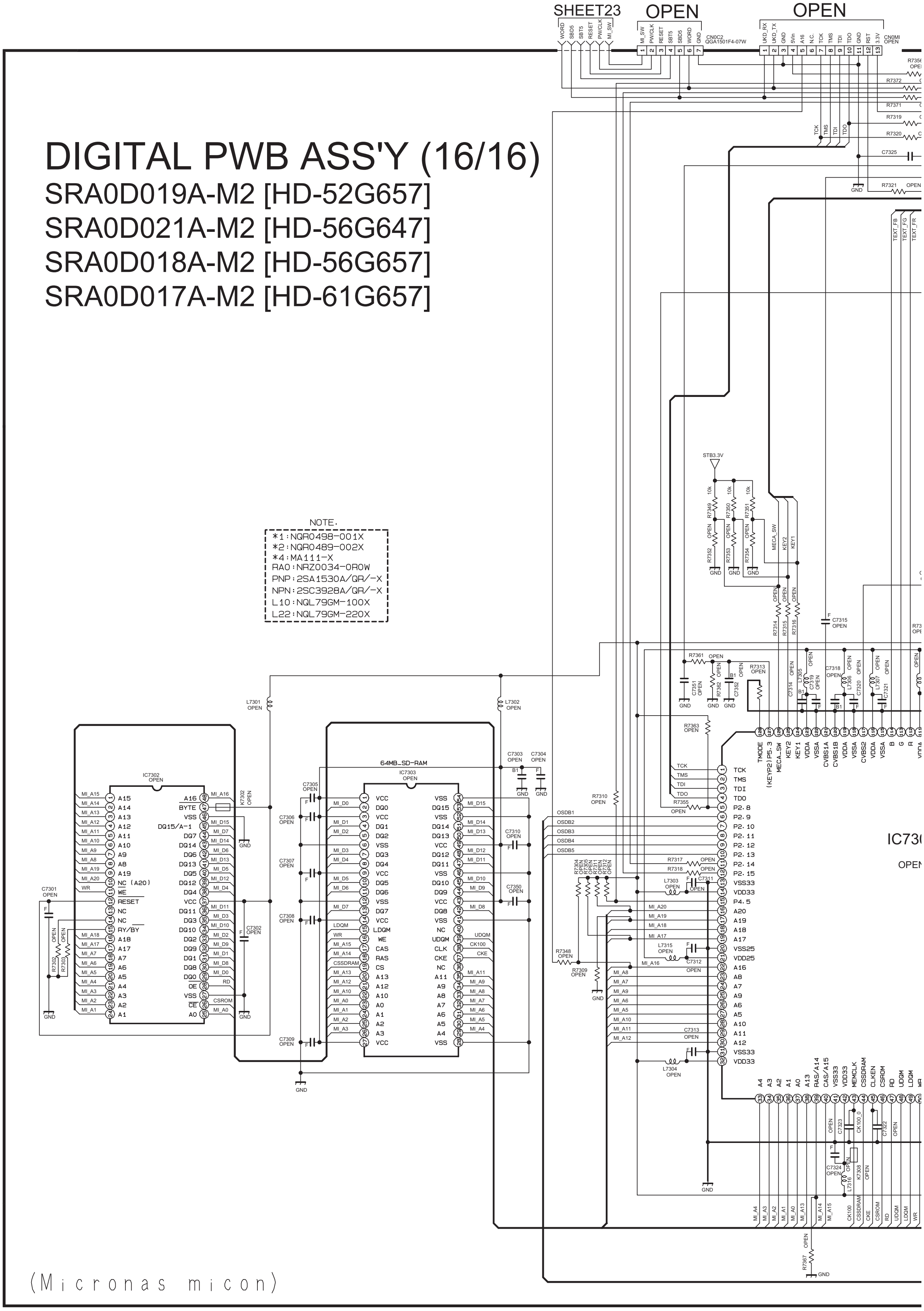
DIGITAL PWB CIRCUIT DIAGRAM (16/16) [MICOM BLOCK] SHEET 24

DIGITAL PWB ASS'Y (16/16)

SRA0D019A-M2 [HD-52G657]
SRA0D021A-M2 [HD-56G647]
SRA0D018A-M2 [HD-56G657]
SRA0D017A-M2 [HD-61G657]

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

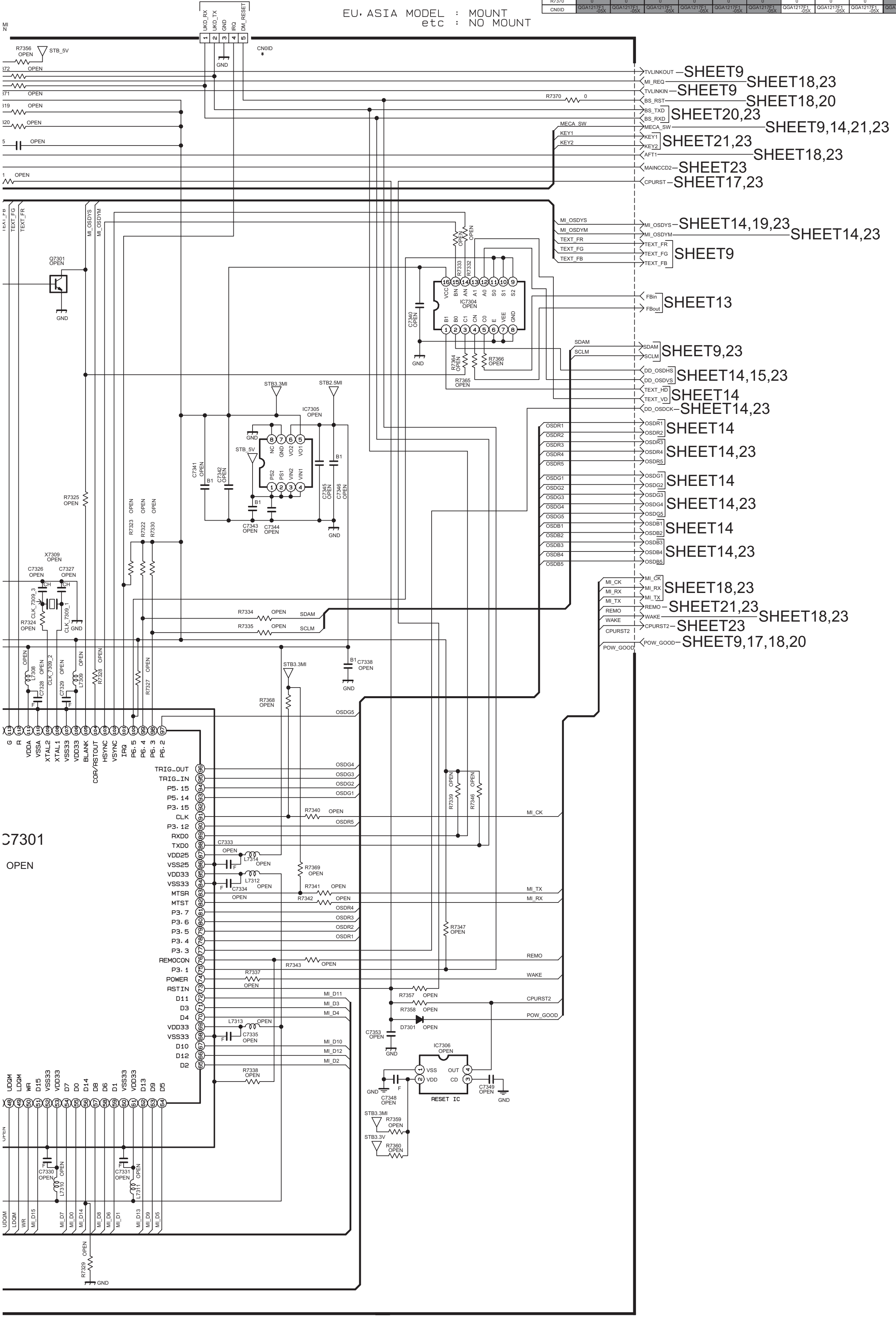


SHEET23
OPEN
OPEN
WORD
SBD5
SBT5
RESET
PW/CLK
MI_SW
CN0C2
QGA1501F4-07W
UKD_RX
UKD_TX
GND
5Vn
A16
N.C.
TCK
TMS
TDI
TDO
RST
3.3V
CN0MI
OPEN
R7372
R7371
R7319
R7320
C7325
R7321
TEXT_FB
TEXT_FG
TEXT_FR
STB3.3V
R7349
R7350
R7351
R7352
R7353
R7354
MECA_SW
KEY2
KEY1
R7314
R7315
R7316
C7315
R7361
R7362
R7313
C7351
C7352
C7318
C7319
C7320
C7321
L7305
L7306
L7307
R7363
L7301
L7302
IC7302
IC7303
64MB_SD-RAM
C7303
C7304
C7305
C7306
C7307
C7308
C7309
C7310
C7350
C7301
C7302
K7302
R7302
R7303
R7310
R7355
R7317
R7318
L7303
C7311
R7348
R7309
L7315
C7312
C7313
L7304
OSDB1
OSDB2
OSDB3
OSDB4
OSDB5
IC730
TMODE
(KEYP2)P5.3
MECA_SW
KEY2
KEY1
VDDA
VSSA
CVBS1A
CVBS1B
CVBS2
B
G
R
TCK
TMS
TDI
TDO
P2.8
P2.9
P2.10
P2.11
P2.12
P2.13
P2.14
P2.15
VSS33
VDD33
P4.5
A20
A19
A18
A17
VSS25
VDD25
A16
A8
A7
A9
A6
A5
A10
A11
A12
A4
A3
A2
A1
A0
A13
RAS/A14
CAS/A15
MEMCLK
CSSDRAM
CLKEN
CSROM
RD
UDQM
LDQM
WR
CK100
CKE
C7322
C7323
C7324
L7316
K7308
R7367
GND
(Micronas micon)

ATSC TUNER MODULE PWB

* DIFFERENCE LIST

ASSY NO.	SRA -0D011A	SRA -0D012A	SRA -0D013A	SRA -0D014A	SRA -0D015A	SRA -0D016A	SRA -0D017A	SRA -0D018A	SRA -0D019A	SRA -0D020A	SRA -0D021A	SRA -0D022A	SRA -0D023A	SRA -0D024A
	OLLC09895	OLLC09895 -02	OLLC09895 -03	OLLC09895 -04	OLLC09895 -05	OLLC09895 -06	OLLC10086	OLLC10086 -02	OLLC10086 -03	OLLC10086 -04	OLLC10086 -05	OLLC10086 -06	OLLC10086 -07	OLLC10086 -08
R7370	0	0	0	0	0	0	0	0	0	0	0	0	OPEN	OPEN
CN0ID	QGA1217F1 -05X	QGA1217F1 -05X	QGA1217F1 -05X	QGA1217F1 -05X	QGA1217F1 -05X	QGA1217F1 -05X	QGA1217F1 -05X	QGA1217F1 -05X	QGA1217F1 -05X	QGA1217F1 -05X	QGA1217F1 -05X	QGA1217F1 -05X	OPEN	OPEN



EU, ASIA MODEL : MOUNT
etc : NO MOUNT
UKD_RX
UKD_TX
GND
IRQ
DM_RESET
CN0ID *
R7356 OPEN
STB_5V
R7370 0
MECA_SW
KEY1
KEY2
TVLINKOUT
SHEET9
MI_REQ
SHEET18,23
TVLINKIN
SHEET9
BS_RST
SHEET18,20
BS_TXD
BS_RXD
SHEET20,23
MECA_SW
SHEET9,14,21,23
KEY1
KEY2
SHEET21,23
AFT1
SHEET18,23
MAINCCD2
SHEET23
CPURST
SHEET17,23
MI_OSDYS
MI_OSDYM
TEXT_FR
TEXT_FG
TEXT_FB
SHEET14,19,23
SHEET14,23
SHEET9
Q7301 OPEN
IC7304 OPEN
C7340 OPEN
R7333
R7332
R7364 OPEN
R7366 OPEN
R7365 OPEN
FBin
FBout
SHEET13
SDAM
SCLM
SHEET9,23
DD_OSDHS
DD_OSDVS
SHEET14,15,23
TEXT_HD
TEXT_VD
SHEET14
DD_OSDCK
SHEET14,23
STB3.3MI
STB2.5MI
IC7305 OPEN
STB_5V
C7341 OPEN
C7342 OPEN
C7343 OPEN
C7344 OPEN
C7345 OPEN
C7346 OPEN
OSDR1
OSDR2
OSDR3
OSDR4
OSDR5
SHEET14
SHEET14,23
OSDG1
OSDG2
OSDG3
OSDG4
OSDG5
SHEET14
SHEET14,23
OSDB1
OSDB2
OSDB3
OSDB4
OSDB5
SHEET14
SHEET14,23
R7325 OPEN
R7323 OPEN
R7322 OPEN
R7330 OPEN
X7309 OPEN
C7326 OPEN
C7327 OPEN
CLK_7309_3
CLK_7309_1
R7324 OPEN
R7334 OPEN
R7335 OPEN
MI_CK
MI_RX
MI_TX
SHEET18,23
REMO
SHEET21,23
WAKE
SHEET18,23
CPURST2
SHEET23
POW_GOOD
SHEET9,17,18,20
C7338 OPEN
STB3.3MI
R7368 OPEN
L7308 OPEN
C7328
C7329
L7309 OPEN
R7326 OPEN
R7327 OPEN
G R VDDA VSSA XTAL2 XTAL1 VSS33 VDD33 BLANK COR/RSTOUT HSYNC VSYNC IRQ P6.5 P6.4 P6.3 P6.2
TRIG_OUT
TRIG_IN
P5.15
P5.14
P3.15
CLK
P3.12
RXD0
TXD0
VDD25
VSS25
VDD33
VSS33
MTSR
MTST
P3.7
P3.6
P3.5
P3.4
P3.3
REMOCON
P3.1
POWER
RSTIN
D11
D3
D4
VDD33
VSS33
D10
D12
D2
IC7301
OPEN
R7339 OPEN
R7348 OPEN
R7340 OPEN
C7333 OPEN
L7314 OPEN
L7312 OPEN
C7334 OPEN
R7369 OPEN
R7341 OPEN
R7342 OPEN
R7347 OPEN
R7343 OPEN
R7337 OPEN
R7357 OPEN
R7358 OPEN
D7301 OPEN
L7313 OPEN
C7335 OPEN
C7353 OPEN
IC7306 OPEN
VSS OUT
VDD CD
RESET IC
C7348 OPEN
C7349 OPEN
STB3.3MI
R7359 OPEN
STB3.3V
R7360 OPEN
R7338 OPEN
MI_D11
MI_D3
MI_D4
MI_D10
MI_D12
MI_D2
UDQM LDQM WR D15 VSS33 VDD33 D7 D0 D14 D8 D6 D1 VSS33 VDD33 D13 D9 D5
C7330 OPEN
L7310 OPEN
C7331 OPEN
L7311 OPEN
UDQM LDQM WR MI_D15 MI_D7 MI_D0 MI_D14 MI_D8 MI_D6 MI_D1 MI_D13 MI_D9 MI_D5
R7329 OPEN
GND

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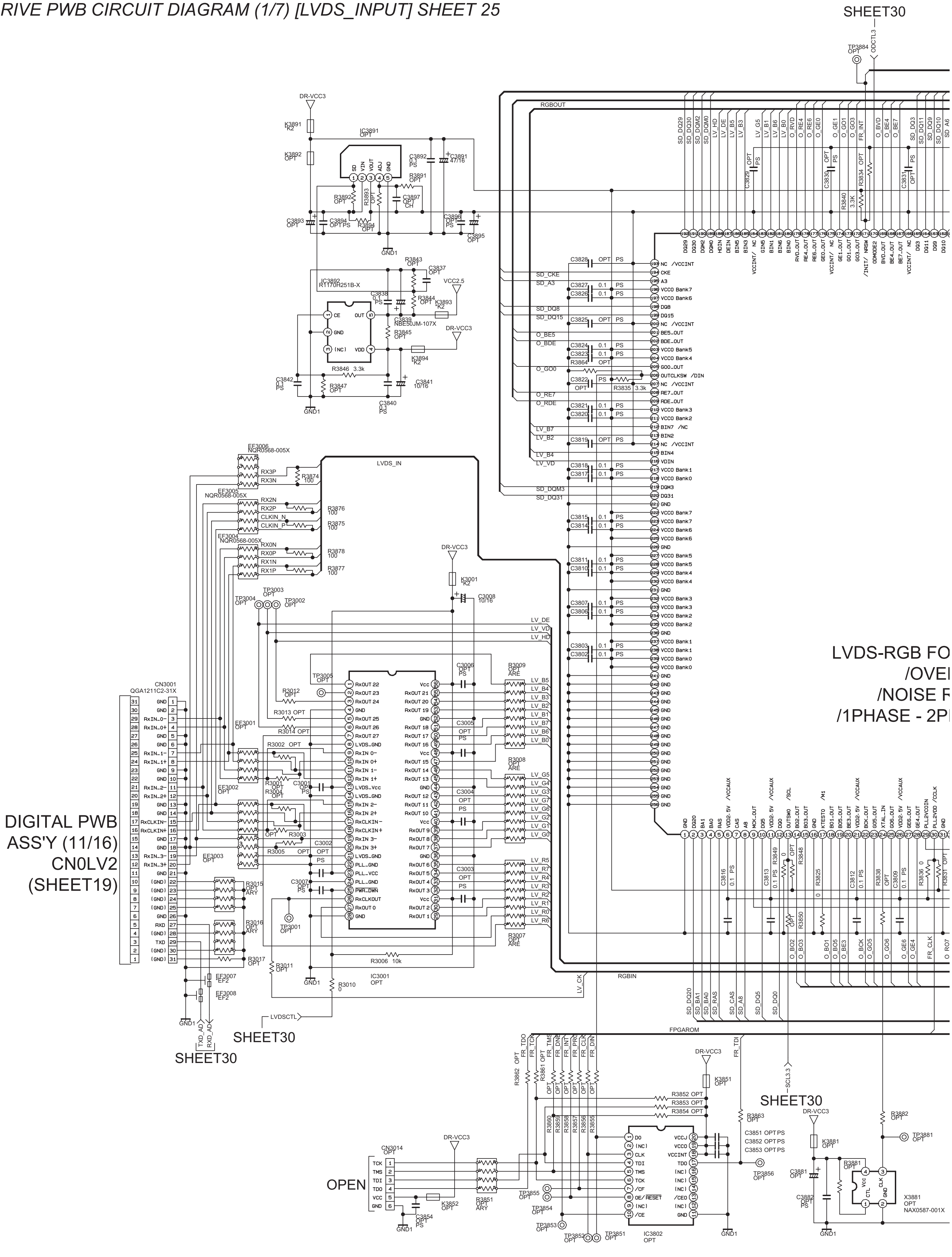
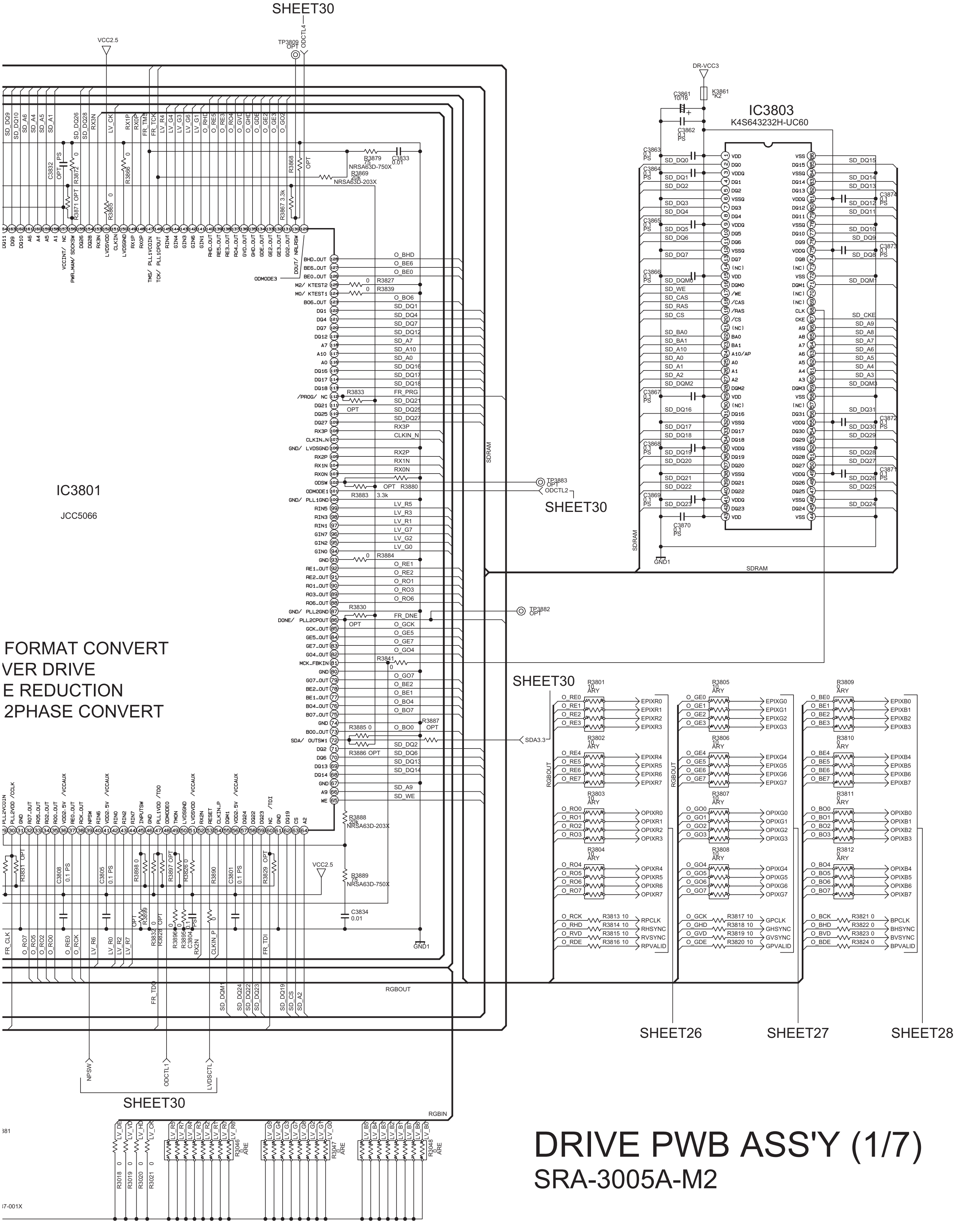
DRIVE PWB CIRCUIT DIAGRAM (1/7) [LVDS_INPUT] SHEET 25


SHEET30
TP3884 OPT
ODCTL3
DR-VCC3
K3891 K2
K3892 OPT
IC3891 OPT
C3892 0.1 PS
C3891 47/16
R3891 OPT
R3892 OPT
R3893 OPT
C3897 OPT CH
C3893 OPT
C3894 OPT PS
R3894 OPT
C3896 OPT PS
C3895 OPT
GND1
R3843 OPT
C3837 OPT
IC3892 RT170R251B-X
CE
GND
(NC)
OUT
VDD
C3838 0.1 PS
R3844 OPT
K3893 K2
VCC2.5
C3839 NBE50JM-107X
R3845 OPT
DR-VCC3
K3894 K2
R3846 3.3k
C3842 0.1 PS
R3847 OPT
C3841 10/16
C3840 0.1 PS
GND1
RGBOUT
RGBIN
FPGAROM
LVDS_IN
EF3006 NQR0568-005X
RX3P
RX3N
R3874 100
EF3005 NQR0568-005X
RX2N
RX2P
CLKIN_N
CLKIN_P
R3876 100
R3875 100
EF3004 NQR0568-005X
RX0N
RX0P
RX1N
RX1P
R3878 100
R3877 100
DR-VCC3
K3001 K2
C3008 10/16
TP3004 OPT
TP3003 OPT
TP3002 OPT
LV_DE
LV_VD
LV_HD
TP3005 OPT
C3006 OPT PS
R3009 OPT ARE
R3012 OPT
R3013 OPT
R3014 OPT
EF3001 OPT
R3002 OPT
R3001 OPT
C3001 OPT PS
R3004 OPT
EF3002 OPT
R3003
R3005 OPT
C3002 OPT PS
EF3003 OPT
C3007 OPT PS
TP3001 OPT
R3015 OPT ARY
R3016 OPT ARY
R3017 OPT
R3011 OPT
R3006 10k
R3010 0
IC3001 OPT
C3005 OPT PS
C3004 OPT PS
C3003 OPT PS
R3008 OPT ARE
R3007 OPT ARE
RxOUT 22
RxOUT 23
RxOUT 24
GND
RxOUT 25
RxOUT 26
RxOUT 27
LVDS_GND
RxIN 0-
RxIN 0+
RxIN 1-
RxIN 1+
LVDS_Vcc
LVDS_GND
RxIN 2-
RxIN 2+
RxCLKIN-
RxCLKIN+
RxIN 3-
RxIN 3+
LVDS_GND
PLL_GND
PLL_Vcc
PLL_GND
PWR_DWN
RxCLKOUT
RxOUT 0
GND
Vcc
RxOUT 21
RxOUT 20
RxOUT 19
RxOUT 18
RxOUT 17
RxOUT 16
RxOUT 15
RxOUT 14
RxOUT 13
RxOUT 12
RxOUT 11
RxOUT 10
RxOUT 9
RxOUT 8
RxOUT 7
RxOUT 6
RxOUT 5
RxOUT 4
RxOUT 3
RxOUT 2
RxOUT 1
LV_B5
LV_B4
LV_B3
LV_B2
LV_B1
LV_B7
LV_B6
LV_B0
LV_G5
LV_G4
LV_G3
LV_G7
LV_G6
LV_G2
LV_G1
LV_G0
LV_R5
LV_R7
LV_R4
LV_R3
LV_R2
LV_R1
LV_R0
LV_R6
LV_CK
CN3001 QGA1211C2-31X
GND
RxIN_0-
RxIN_0+
RxIN_1-
RxIN_1+
RxIN_2-
RxIN_2+
RxCLKIN-
RxCLKIN+
RxIN_3-
RxIN_3+
(GND)
RXD
TXD
DIGITAL PWB
ASS'Y (11/16)
CN0LV2
(SHEET19)
EF3007 EF2
EF3008 EF2
GND1
TXD_AD
RXD_AD
LVDSCTL
SHEET30
SHEET30
SD_DQ29
SD_DQ30
SD_DQM2
SD_DQM0
LV_HD
LV_DE
LV_B5
LV_B3
LV_G5
LV_B1
LV_B6
LV_B0
O_RVD
O_RE4
O_RE6
O_GE0
O_GE1
O_GO1
O_GO3
FR_INT
O_BVD
O_BE4
O_BE7
SD_DQ3
SD_DQ11
SD_DQ9
SD_DQ10
SD_A6
C3829 OPT PS
C3830 OPT PS
R3840 3.3K
R3834 OPT
C3831 OPT PS
C3828 OPT PS
SD_CKE
SD_A3
C3827 0.1 PS
C3826 0.1 PS
SD_DQ8
SD_DQ15
C3825 OPT PS
O_BE5
O_BDE
C3824 0.1 PS
C3823 0.1 PS
R3864 OPT
O_GO0
C3822 PS
OPT
R3835 3.3k
O_RE7
O_RDE
C3821 0.1 PS
C3820 0.1 PS
LV_B7
LV_B2
C3819 OPT PS
LV_B4
LV_VD
C3818 0.1 PS
C3817 0.1 PS
SD_DQM3
SD_DQ31
C3815 0.1 PS
C3814 0.1 PS
C3811 0.1 PS
C3810 0.1 PS
C3807 0.1 PS
C3806 0.1 PS
C3803 0.1 PS
C3802 0.1 PS
NC /VCCINT
CKE
A3
VCCO Bank7
VCCO Bank6
DQ8
DQ15
NC /VCCINT
BE5_OUT
BDE_OUT
VCCO Bank5
VCCO Bank4
GO0_OUT
OUTCLKSW /DIN
NC /VCCINT
RE7_OUT
RDE_OUT
VCCO Bank3
VCCO Bank2
BIN7 /NC
BIN2
NC /VCCINT
BIN4
VDIN
VCCO Bank1
VCCO Bank0
DQM3
DQ31
GND
VCCO Bank7
VCCO Bank7
VCCO Bank6
VCCO Bank6
GND
VCCO Bank5
VCCO Bank5
VCCO Bank4
VCCO Bank4
GND
VCCO Bank3
VCCO Bank3
VCCO Bank2
VCCO Bank2
GND
VCCO Bank1
VCCO Bank1
VCCO Bank0
VCCO Bank0
GND
LVDS-RGB FO
/OVE
/NOISE R
/1PHASE - 2P
C3816 0.1 PS
C3813 0.1 PS
R3849 0
R3848 OPT
R3825 0
C3812 0.1 PS
R3838 OPT
C3809 0.1 PS
R3836 0
R3837 OPT
R3850 OPT
O_BO2
O_BO3
O_BO1
O_BO5
O_BE3
O_BCK
O_GO5
O_GO6
O_GE6
O_GE4
FR_CLK
O_RO7
SD_DQ20
SD_BA1
SD_BA0
SD_RAS
SD_CAS
SD_A8
SD_DQ5
SD_DQ0
FR_TDO
FR_TCK
FR_TMS
FR_DIN
FR_INT
FR_PRG
FR_CLK
FR_DIN
FR_TDI
R3862 OPT
R3861 OPT
DR-VCC3
K3851 OPT
SCL3.3
R3852 OPT
R3853 OPT
R3854 OPT
R3863 OPT
SHEET30
DR-VCC3
R3882 OPT
R3860
R3859
R3858
R3857
R3856
R3855
D0
(NC)
CLK
TDI
TMS
TCK
/CF
OE/RESET
(NC)
/CE
VCCJ
VCCO
VCCINT
TDO
(NC)
(NC)
(NC)
/CEO
(NC)
GND
C3851 OPT PS
C3852 OPT PS
C3853 OPT PS
TP3856 OPT
K3881 OPT
TP3881 OPT
C3881 OPT
R3881 OPT
C3882 OPT PS
Vcc
CTL
CLK
GND
X3881 OPT NAX0587-001X
GND1
DR-VCC3
CN3014 OPT
TCK
TMS
TDI
TDO
VCC
GND
OPEN
K3852 OPT
R3851 OPT ARY
C3854 OPT PS
TP3855 OPT
TP3854 OPT
TP3853 OPT
TP3852 OPT
TP3851 OPT
IC3802 OPT
GND1


SHEET30
VCC2.5
TP3809 OPT
ODCTL4
DR-VCC3
C3861 10/16
K3861 K2
IC3803
K4S643232H-UC60
C3862 0.1 PS
IC3801
JCC5066
FORMAT CONVERT
VER DRIVE
E REDUCTION
2PHASE CONVERT
TP3883 OPT
ODCTL2
SHEET30
SDRAM
GND1
TP3882 OPT
SHEET30
SDA3.3
RGBOUT
SHEET26
SHEET27
SHEET28
NPSW
ODCTL1
LVDSCTL
SHEET30
RGBIN
R3046 ARE
R3047 ARE
R3048 ARE
R3018
R3019
R3020
R3021

DRIVE PWB ASS'Y (1/7)

SRA-3005A-M2

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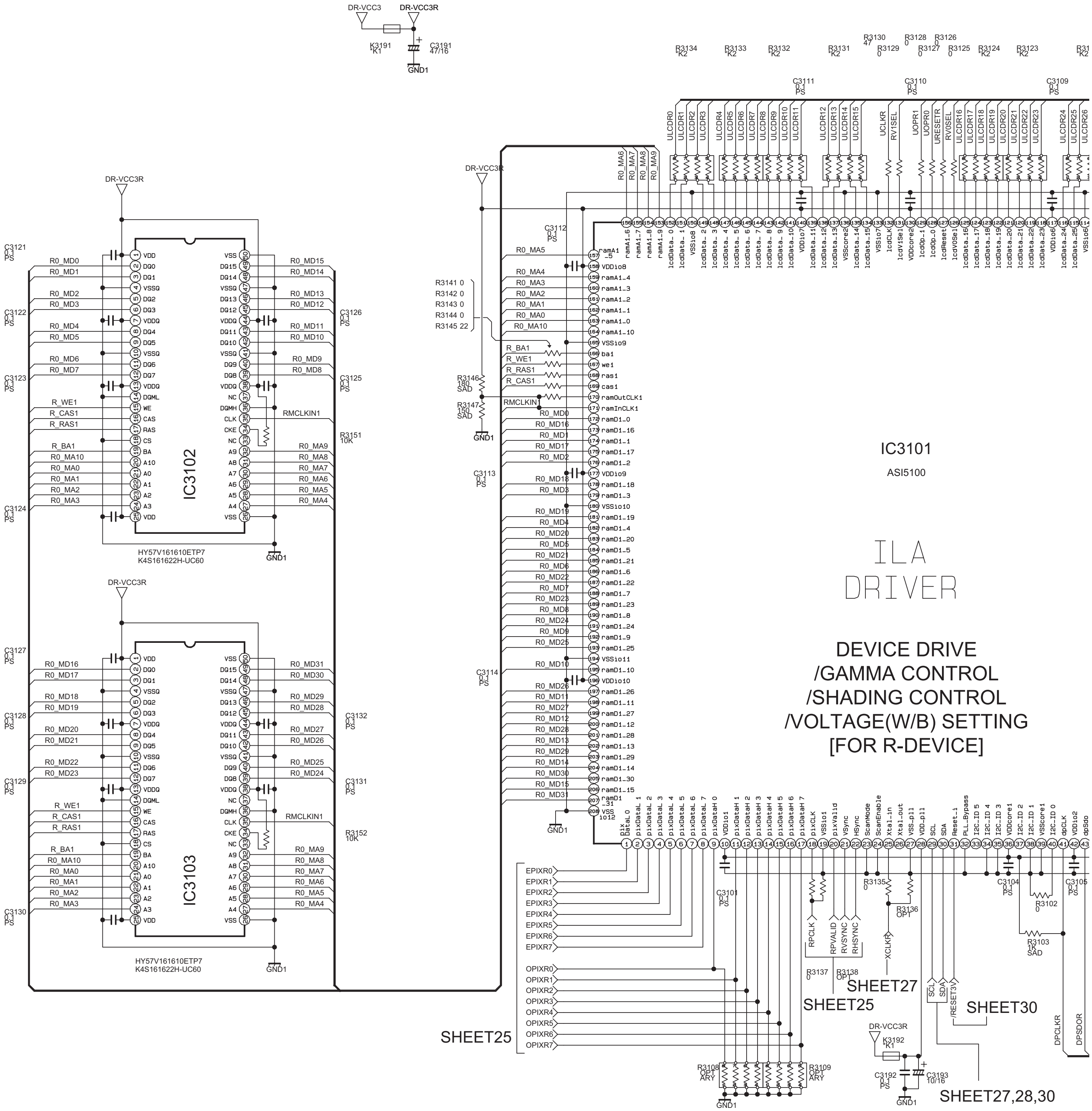
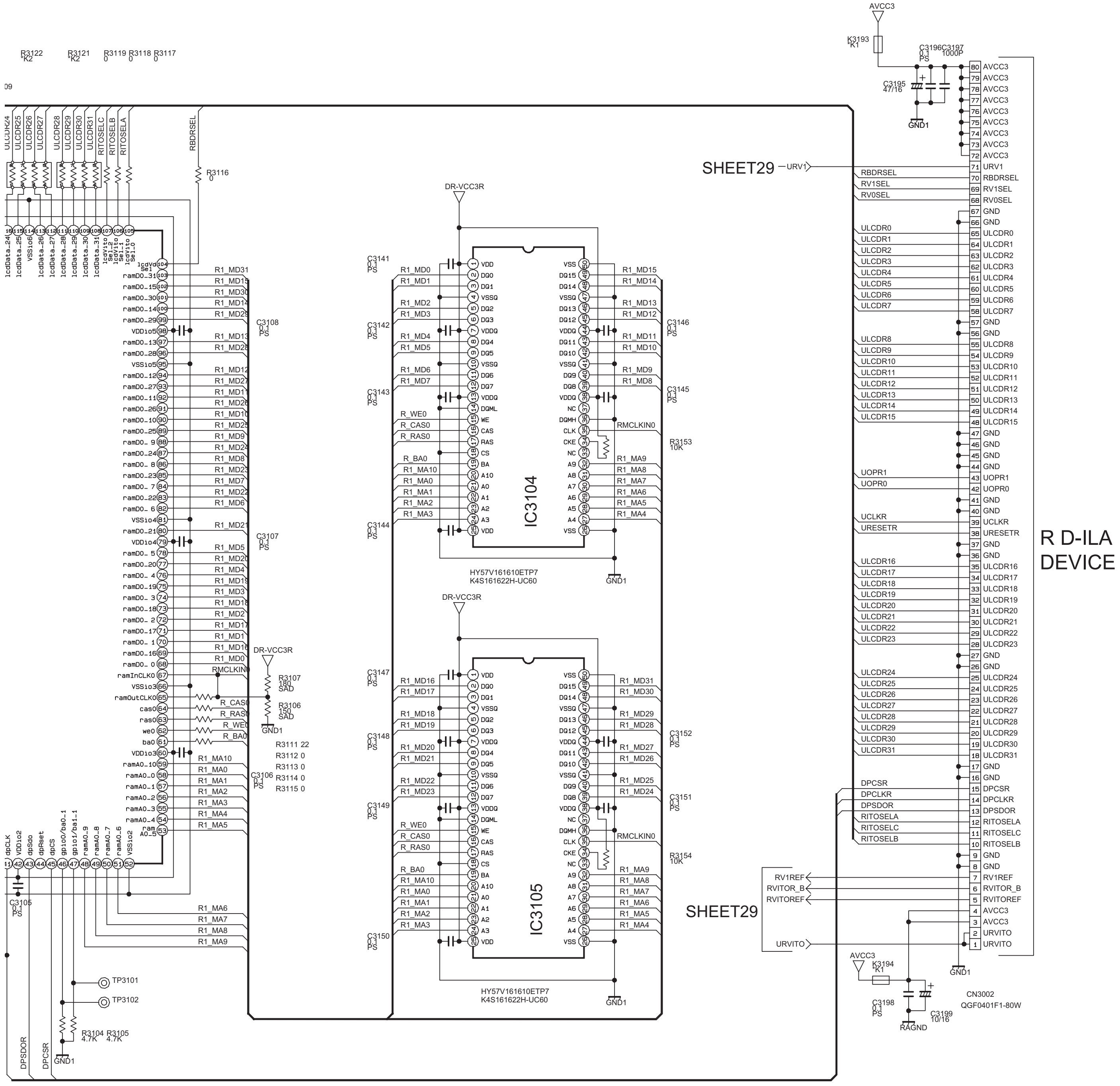

DR-VCC3
DR-VCC3R
K3191
K1
C3191
47/16
GND1
IC3102
HY57V161610ETP7
K4S161622H-UC60
IC3103
HY57V161610ETP7
K4S161622H-UC60
RMCLKIN1
R3151
10K
R3152
10K
C3121
C3122
C3123
C3124
C3125
C3126
C3127
C3128
C3129
C3130
C3131
C3132
0.1
PS
R3141 0
R3142 0
R3143 0
R3144 0
R3145 22
R3146
180
SAD
R3147
150
SAD
C3112
C3113
C3114
IC3101
ASI5100
ILA
DRIVER
DEVICE DRIVE
/GAMMA CONTROL
/SHADING CONTROL
/VOLTAGE(W/B) SETTING
[FOR R-DEVICE]
R3134
R3133
R3132
R3131
R3130
R3128
R3126
R3129
R3127
R3125
R3124
R3123
K2
C3111
C3110
C3109
EPIXR0
EPIXR1
EPIXR2
EPIXR3
EPIXR4
EPIXR5
EPIXR6
EPIXR7
OPIXR0
OPIXR1
OPIXR2
OPIXR3
OPIXR4
OPIXR5
OPIXR6
OPIXR7
SHEET25
RPCLK
RPVALID
RVSYNC
RHSYNC
XCLKR
R3135
R3136
OPT
R3137
R3138
SHEET27
SHEET25
SCL
SDA
/RESET3V
SHEET30
C3101
C3104
C3105
R3102
R3103
1K
SAD
DPCLKR
DPSDOR
R3108
R3109
OPT
ARY
K3192
C3192
C3193
10/16
SHEET27,28,30

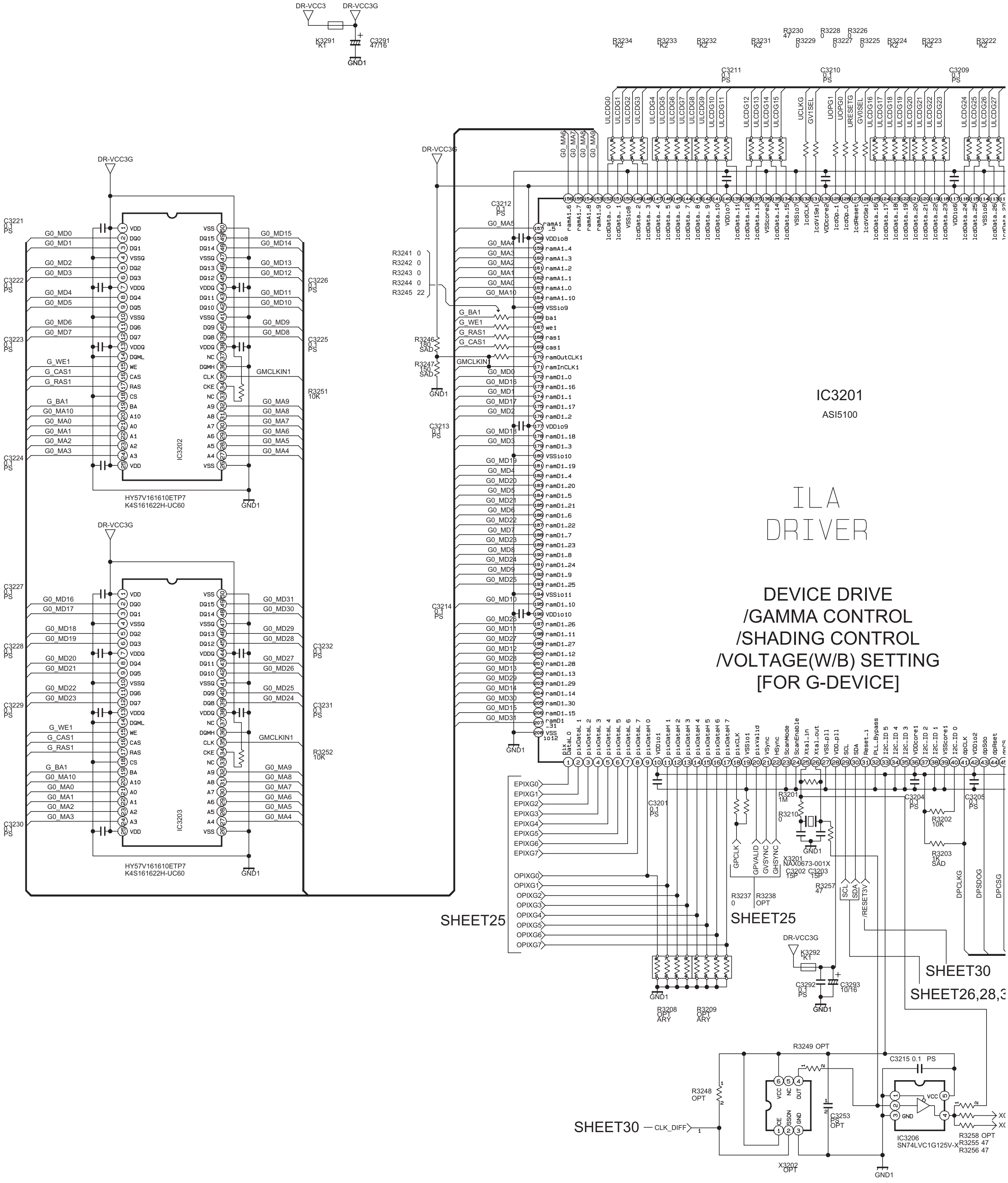

R D-ILA
DEVICE
SHEET29
SHEET29
IC3104
IC3105
HY57V161610ETP7
K4S161622H-UC60
HY57V161610ETP7
K4S161622H-UC60
DR-VCC3R
DR-VCC3R
DR-VCC3R
AVCC3
AVCC3
CN3002
QGF0401F1-80W
K3193
K3194
C3195 47/16
C3196 0.1 PS
C3197 1000P
C3198 0.1 PS
C3199 10/16
R3116 0
R3153 10K
R3154 10K
R3107 180 SAD
R3106 150 SAD
R3111 22
R3112 0
R3113 0
R3114 0
R3115 0
R3104 4.7K
R3105 4.7K
R3122 K2
R3121 K2
R3119 0
R3118 0
R3117 0
TP3101
TP3102
GND1
RAGND
RMCLKIN0
URV1
RBDRSEL
RV1SEL
RV0SEL
RV1REF
RVITOR_B
RVITOREF
URVITO
DPCSR
DPCLKR
DPSDOR
RITOSELA
RITOSELC
RITOSELB

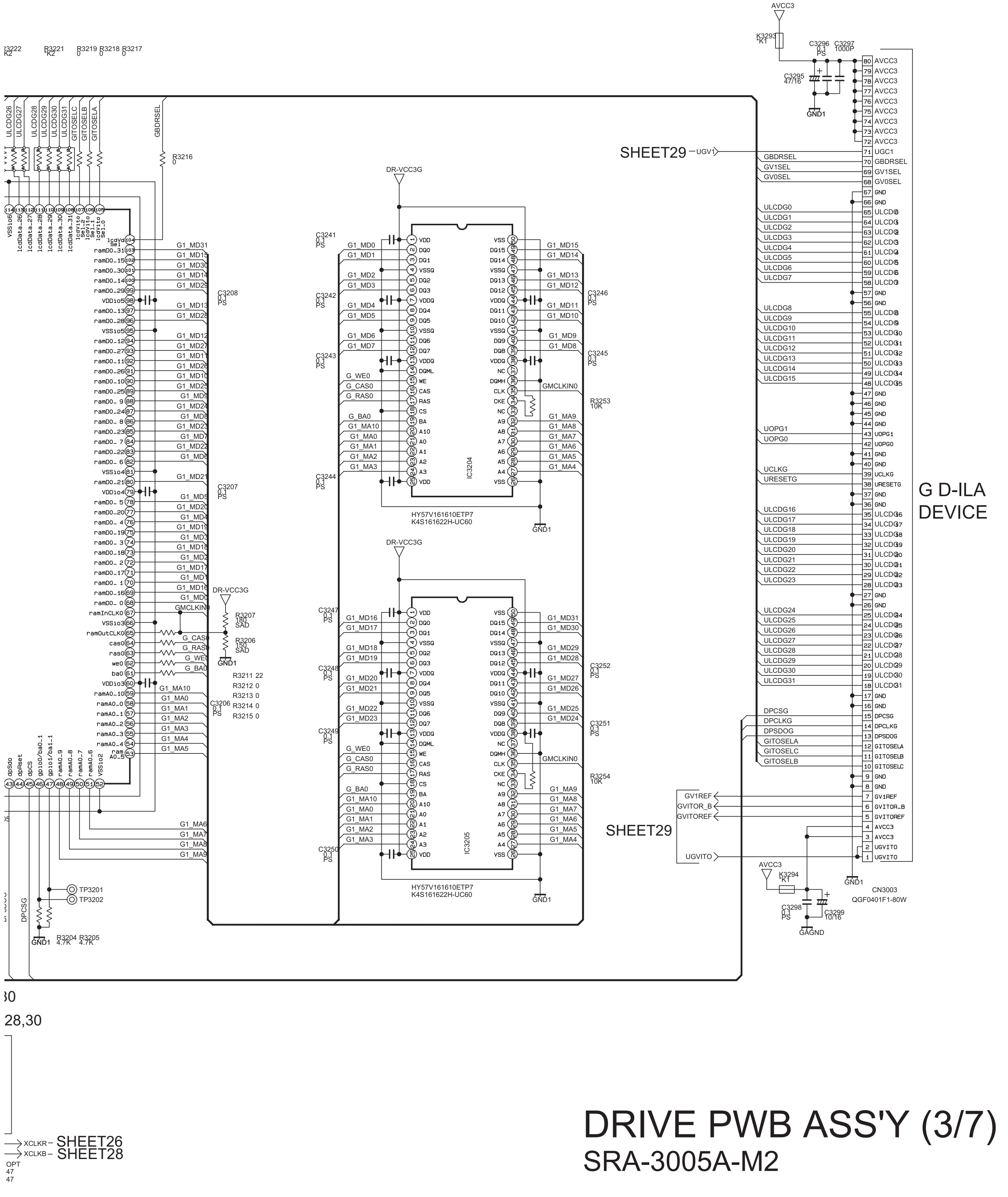
DRIVE PWB ASS'Y (2/7)

SRA-3005A-M2

c10437002_0208_2/7_0.0

DRIVE PWB CIRCUIT DIAGRAM (3/7) [G_DRIVER] SHEET 27


DR-VCC3
DR-VCC3G
K3291 K1
C3291 47/16
GND1
IC3201
ASI5100
ILA DRIVER
DEVICE DRIVE
/GAMMA CONTROL
/SHADING CONTROL
/VOLTAGE(W/B) SETTING
[FOR G-DEVICE]
IC3202
HY57V161610ETP7
K4S161622H-UC60
IC3203
HY57V161610ETP7
K4S161622H-UC60
GMCLKIN1
R3251 10K
R3252 10K
R3241 0
R3242 0
R3243 0
R3244 0
R3245 22
R3246 180 SAD
R3247 150 SAD
C3212 0.1 PS
C3213 0.1 PS
C3214 0.1 PS
C3221 0.1 PS
C3222 0.1 PS
C3223 0.1 PS
C3224 0.1 PS
C3225 0.1 PS
C3226 0.1 PS
C3227 0.1 PS
C3228 0.1 PS
C3229 0.1 PS
C3230 0.1 PS
C3231 0.1 PS
C3232 0.1 PS
C3209 0.1 PS
C3210 0.1 PS
C3211 0.1 PS
R3234 K2
R3233 K2
R3232 K2
R3231 K2
R3230 47
R3229 0
R3228 0
R3227 0
R3226 0
R3225 0
R3224 K2
R3223 K2
R3222 K2
EPIXG0
EPIXG1
EPIXG2
EPIXG3
EPIXG4
EPIXG5
EPIXG6
EPIXG7
OPIXG0
OPIXG1
OPIXG2
OPIXG3
OPIXG4
OPIXG5
OPIXG6
OPIXG7
SHEET25
SHEET25
SHEET30
SHEET26,28,3
SHEET30
CLK_DIFF
GPCLK
GPVALID
GVSYNC
GHSYNC
SCL
SDA
/RESET3V
DPCLKG
DPSDOG
DPCSG
C3201 0.1 PS
R3201 1M
R3210 0
X3201 NAX0673-001X
C3202 15P
C3203 15P
R3257 47
R3237 0
R3238 OPT
C3204 0.1 PS
C3205 0.1 PS
R3202 10K
R3203 1K SAD
K3292 K1
C3292 0.1 PS
C3293 10/16
R3208 OPT ARY
R3209 OPT ARY
R3249 OPT
R3248 OPT
C3253 OPT
X3202 OPT
C3215 0.1 PS
IC3206
SN74LVC1G125V-X
R3258 OPT
R3255 47
R3256 47

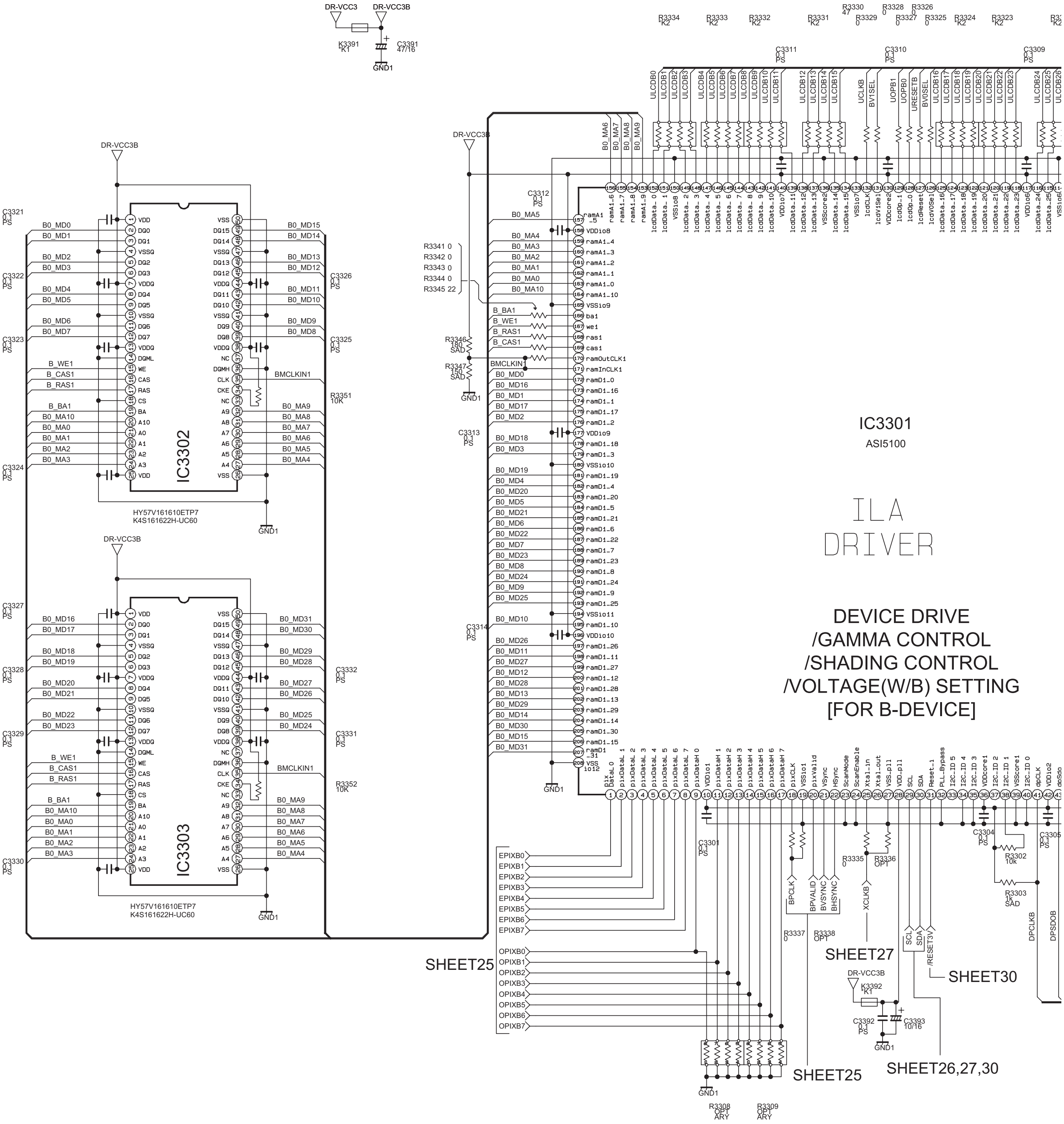

AVCC3
K3293 K1
C3296 0.1 PS
C3297 1000P
C3295 47/16
GND1
SHEET29
UGV1
GBDRSEL
GV1SEL
GV0SEL
ULCDG0
ULCDG1
ULCDG2
ULCDG3
ULCDG4
ULCDG5
ULCDG6
ULCDG7
ULCDG8
ULCDG9
ULCDG10
ULCDG11
ULCDG12
ULCDG13
ULCDG14
ULCDG15
UOPG1
UOPG0
UCLKG
URESETG
ULCDG16
ULCDG17
ULCDG18
ULCDG19
ULCDG20
ULCDG21
ULCDG22
ULCDG23
ULCDG24
ULCDG25
ULCDG26
ULCDG27
ULCDG28
ULCDG29
ULCDG30
ULCDG31
DPCSG
DPCLKG
DPSDOG
GITOSELA
GITOSELC
GITOSELB
GV1REF
GVITOR_B
GVITOREF
UGVITO
G D-ILA
DEVICE
CN3003
QGF0401F1-80W
K3294 K1
C3298 0.1 PS
C3299 10/16
GAGND
DR-VCC3G
IC3204
HY57V161610ETP7
K4S161622H-UC60
IC3205
HY57V161610ETP7
K4S161622H-UC60
C3241 0.1 PS
C3242 0.1 PS
C3243 0.1 PS
C3244 0.1 PS
C3245 0.1 PS
C3246 0.1 PS
C3247 0.1 PS
C3248 0.1 PS
C3249 0.1 PS
C3250 0.1 PS
C3251 0.1 PS
C3252 0.1 PS
R3253 10K
R3254 10K
GMCLKIN0
G_WE0
G_CAS0
G_RAS0
G_BA0
C3206 0.1 PS
C3207 0.1 PS
C3208 0.1 PS
R3207 180 SAD
R3206 150 SAD
R3211 22
R3212 0
R3213 0
R3214 0
R3215 0
R3216 0
R3222 K2
R3221 K2
R3219 0
R3218 0
R3217 0
GBDRSEL
TP3201
TP3202
R3204 4.7K
R3205 4.7K
DPCSG
XCLKR
SHEET26
XCLKB
SHEET28
OPT
47
47

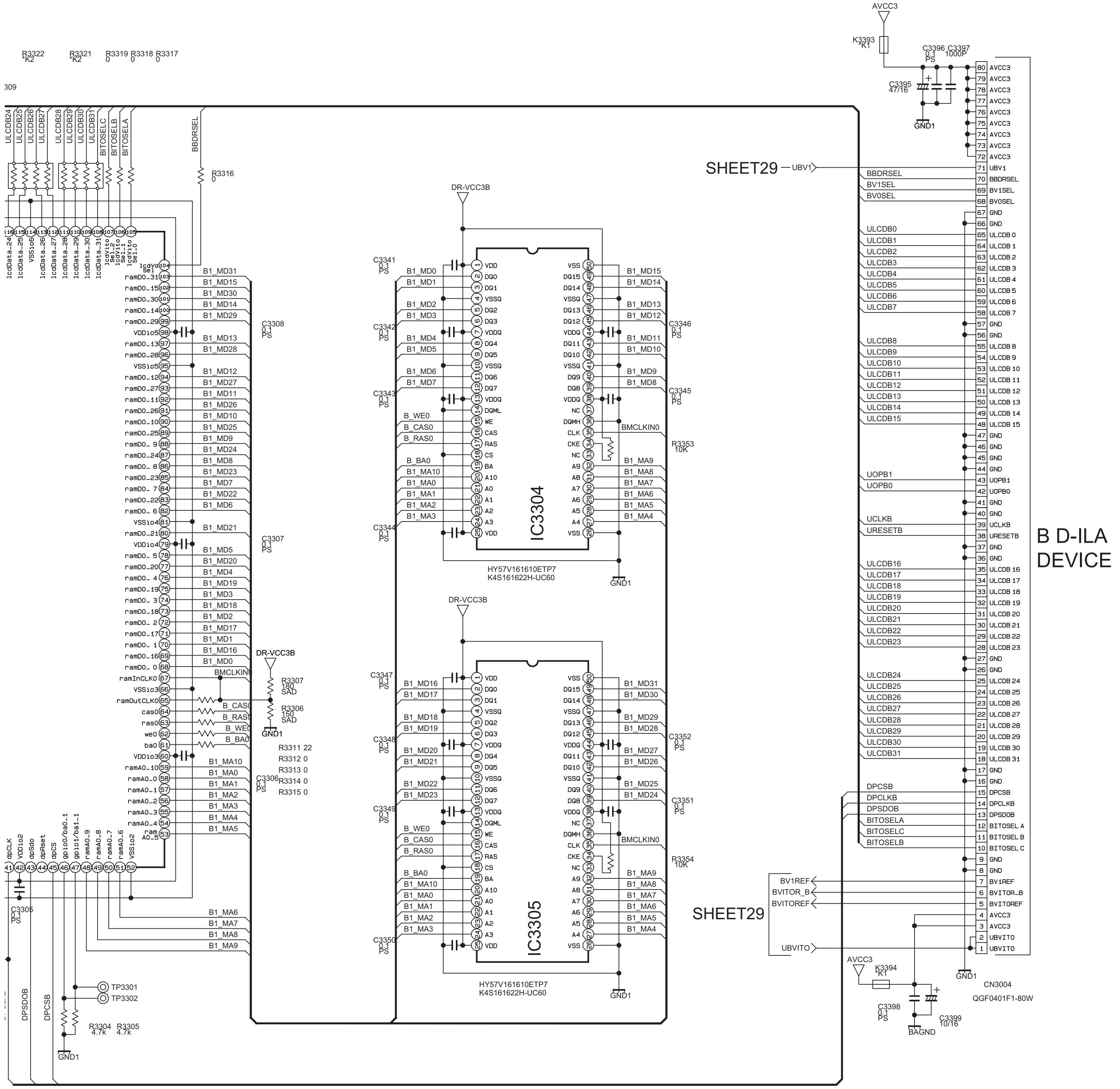
DRIVE PWB ASS'Y (3/7)

SRA-3005A-M2

c10437003_0208_3/7_0.0

DRIVE PWB CIRCUIT DIAGRAM (4/7) [B_DRIVER] SHEET 28


DR-VCC3
DR-VCC3B
K3391 K1
C3391 47/16
GND1
IC3302
HY57V161610ETP7
K4S161622H-UC60
IC3303
HY57V161610ETP7
K4S161622H-UC60
BMCLKIN1
R3351 10K
R3352 10K
IC3301
ASI5100
ILA
DRIVER
DEVICE DRIVE
/GAMMA CONTROL
/SHADING CONTROL
/VOLTAGE(W/B) SETTING
[FOR B-DEVICE]
R3341 0
R3342 0
R3343 0
R3344 0
R3345 22
R3346 180 SAD
R3347 150 SAD
C3312 0.1 PS
C3313 0.1 PS
C3314 0.1 PS
C3301 0.1 PS
C3304
C3305 0.1 PS
C3309 0.1 PS
C3310 0.1 PS
C3311 0.1 PS
R3302 10k
R3303 1k SAD
R3335 0
R3336 OPT
R3337 0
R3338 OPT
R3308 OPT ARY
R3309 OPT ARY
K3392 K1
C3392 0.1 PS
C3393 10/16
EPIXB0
EPIXB1
EPIXB2
EPIXB3
EPIXB4
EPIXB5
EPIXB6
EPIXB7
OPIXB0
OPIXB1
OPIXB2
OPIXB3
OPIXB4
OPIXB5
OPIXB6
OPIXB7
SHEET25
SHEET27
SHEET30
SHEET26,27,30
BPCLK
BPVALID
BVSYNC
BHSYNC
XCLKB
SCL
SDA
/RESET3V
DPCLKB
DPSDOB



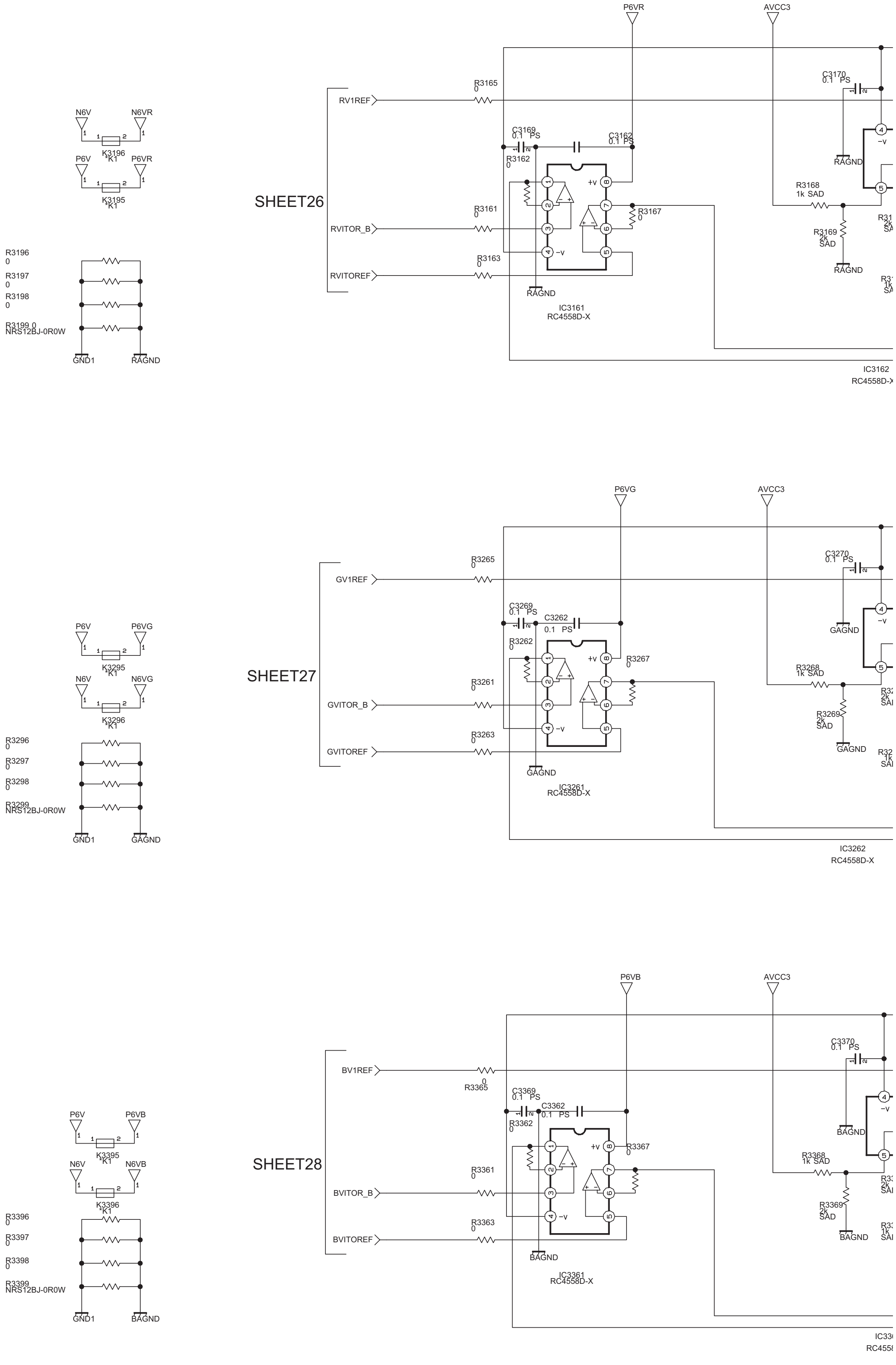
IC3304
HY57V161610ETP7
K4S161622H-UC60
IC3305
HY57V161610ETP7
K4S161622H-UC60
DR-VCC3B
GND1
AVCC3
K3393
K1
C3395
47/16
C3396
0.1
PS
C3397
1000P
SHEET29
UBV1
B D-ILA
DEVICE
CN3004
QGF0401F1-80W
K3394
K1
C3398
0.1
PS
C3399
10/16
BAGND
BV1REF
BVITOR_B
BVITOREF
UBVITO
BBDRSEL
BV1SEL
BV0SEL
R3316
0
R3322
K2
R3321
K2
R3319
0
R3318
0
R3317
0
R3307
180
SAD
R3306
150
SAD
R3311 22
R3312 0
R3313 0
R3314 0
R3315 0
C3305
C3306
C3307
C3308
C3341
C3342
C3343
C3344
C3345
C3346
C3347
C3348
C3349
C3350
C3351
C3352
R3353
10K
R3354
10K
BMCLKIN0
B_WE0
B_CAS0
B_RAS0
B_BA0
TP3301
TP3302
R3304
4.7k
R3305
4.7k
DPSDOB
DPCSB

DRIVE PWB ASS'Y (4/7)

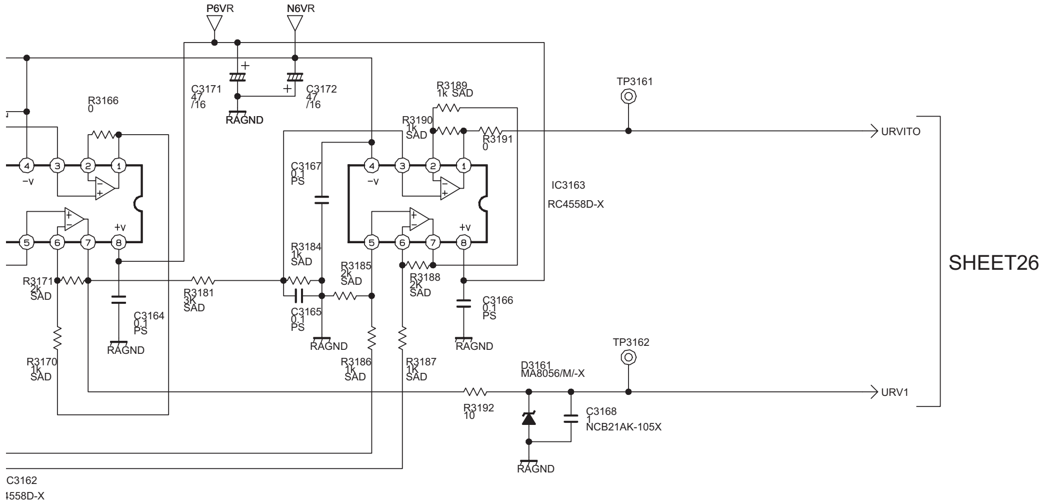
SRA-3005A-M2

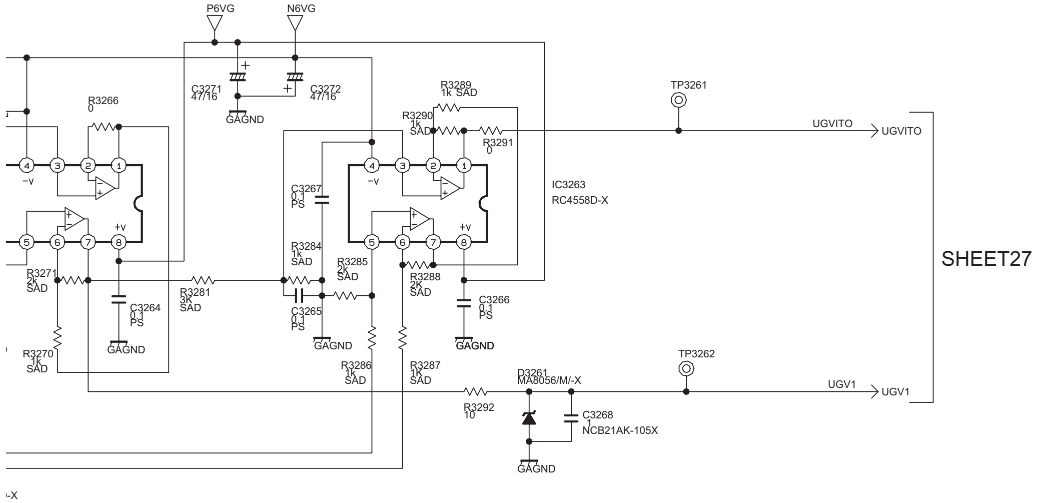
c10437004_0208_4/7_0.0

DRIVE PWB CIRCUIT DIAGRAM (5/7) [ANALOG_DRIVER] SHEET 29



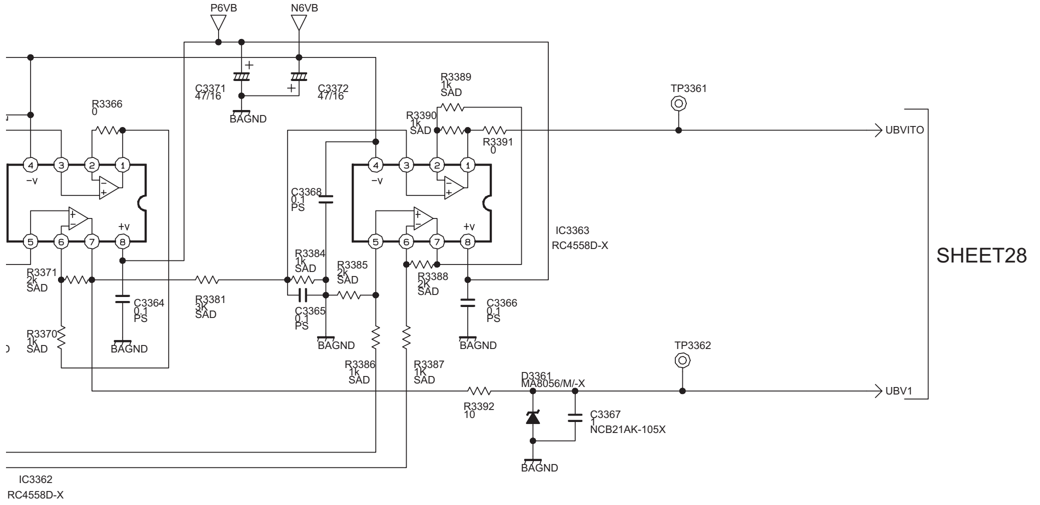
P6VR
AVCC3
N6V
N6VR
K3196
K1
P6V
P6VR
K3195
K1
R3165
0
RV1REF
C3170
0.1 PS
C3169
0.1 PS
C3162
0.1 PS
R3162
0
SHEET26
R3161
0
RVITOR_B
R3167
0
R3163
0
RVITOREF
RAGND
IC3161
RC4558D-X
R3168
1k SAD
R3169
2k
SAD
RAGND
IC3162
RC4558D-X
R3196
0
R3197
0
R3198
0
R3199 0
NRS12BJ-0R0W
GND1
RAGND
P6VG
AVCC3
R3265
0
GV1REF
C3270
0.1 PS
C3269
0.1 PS
C3262
0.1 PS
R3262
0
R3267
0
P6V
P6VG
K3295
K1
N6V
N6VG
K3296
K1
SHEET27
R3261
0
GVITOR_B
R3263
0
GVITOREF
GAGND
IC3261
RC4558D-X
R3268
1k SAD
R3269
2k
SAD
GAGND
R3296
0
R3297
0
R3298
0
R3299
NRS12BJ-0R0W
GND1
GAGND
IC3262
RC4558D-X
P6VB
AVCC3
BV1REF
R3365
0
C3370
0.1 PS
C3369
0.1 PS
C3362
0.1 PS
R3362
0
R3367
0
P6V
P6VB
K3395
K1
N6V
N6VB
K3396
K1
SHEET28
R3361
0
BVITOR_B
R3363
0
BVITOREF
BAGND
IC3361
RC4558D-X
R3368
1k SAD
R3369
2k
SAD
BAGND
R3396
0
R3397
0
R3398
0
R3399
NRS12BJ-0R0W
GND1
BAGND


P6VR
N6VR
C3171
47
/16
C3172
47
/16
RAGND
R3166
0
R3189
1k SAD
R3190
1k
SAD
R3191
0
TP3161
URVITO
C3167
0.1
PS
IC3163
RC4558D-X
−v
+v
SHEET26
R3171
2k
SAD
R3181
3k
SAD
R3184
1k
SAD
R3185
2k
SAD
R3188
2k
SAD
C3164
0.1
PS
C3165
0.1
PS
C3166
0.1
PS
RAGND
RAGND
RAGND
R3170
1k
SAD
R3186
1k
SAD
R3187
1k
SAD
TP3162
D3161
MA8056/M/-X
URV1
R3192
10
C3168
1
NCB21AK-105X
RAGND
C3162
4558D-X


P6VG
N6VG
C3271
47/16
C3272
47/16
GAGND
R3266
0
R3289
1k SAD
R3290
1k
SAD
R3291
0
TP3261
UGVITO
UGVITO
C3267
0.1
PS
IC3263
RC4558D-X
−v
+v
SHEET27
R3271
2k
SAD
R3281
3k
SAD
R3284
1k
SAD
R3285
2k
SAD
R3288
2k
SAD
C3264
0.1
PS
C3265
0.1
PS
C3266
0.1
PS
GAGND
GAGND
GAGND
R3270
1k
SAD
R3286
1k
SAD
R3287
1k
SAD
TP3262
D3261
MA8056/M/-X
UGV1
UGV1
R3292
10
C3268
1
NCB21AK-105X
GAGND
-X

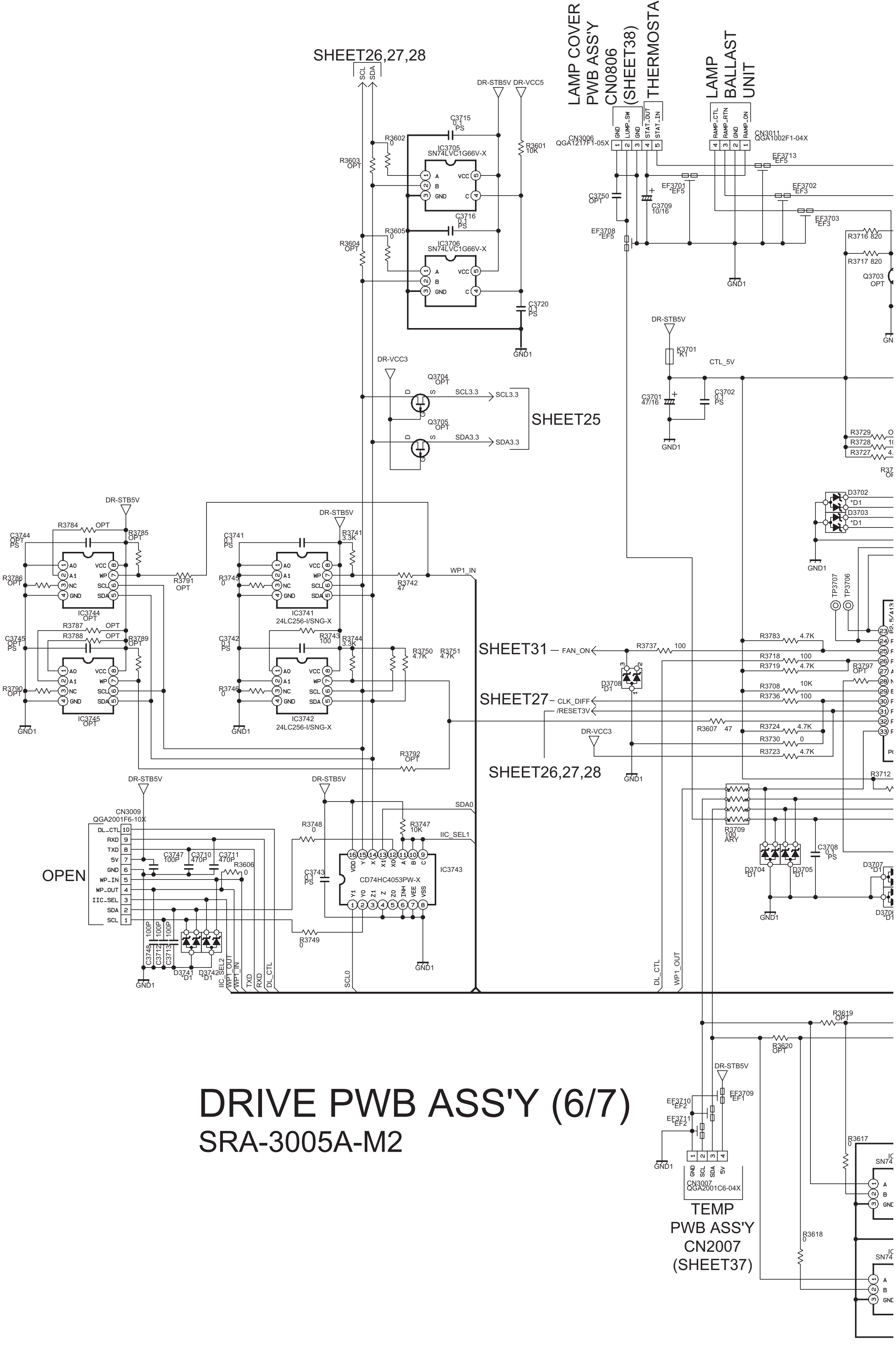
DRIVE PWB ASS'Y (5/7)

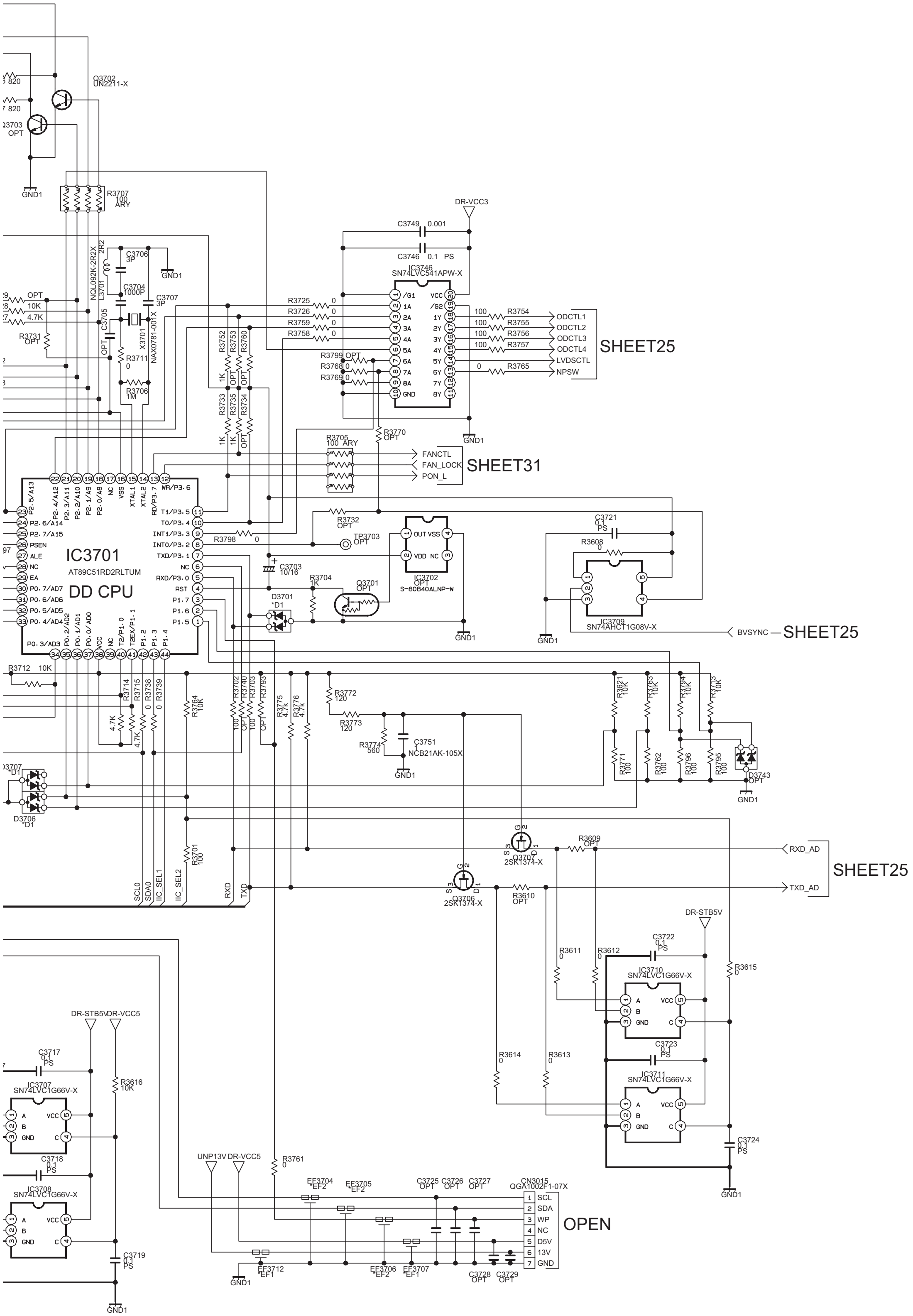
SRA-3005A-M2


P6VB
N6VB
C3371
47/16
C3372
47/16
BAGND
R3366
0
R3389
1k
SAD
R3390
1k
SAD
R3391
0
TP3361
UBVITO
C3368
0.1
PS
IC3363
RC4558D-X
−v
+v
SHEET28
R3371
2k
SAD
R3381
3k
SAD
R3384
1k
SAD
R3385
2k
SAD
R3388
2k
SAD
C3364
0.1
PS
C3365
0.1
PS
C3366
0.1
PS
BAGND
BAGND
BAGND
R3370
1k
SAD
R3386
1k
SAD
R3387
1k
SAD
TP3362
D3361
MA8056/M/-X
UBV1
R3392
10
C3367
1
NCB21AK-105X
BAGND
IC3362
RC4558D-X

c10437005_0208_5/7_0.0

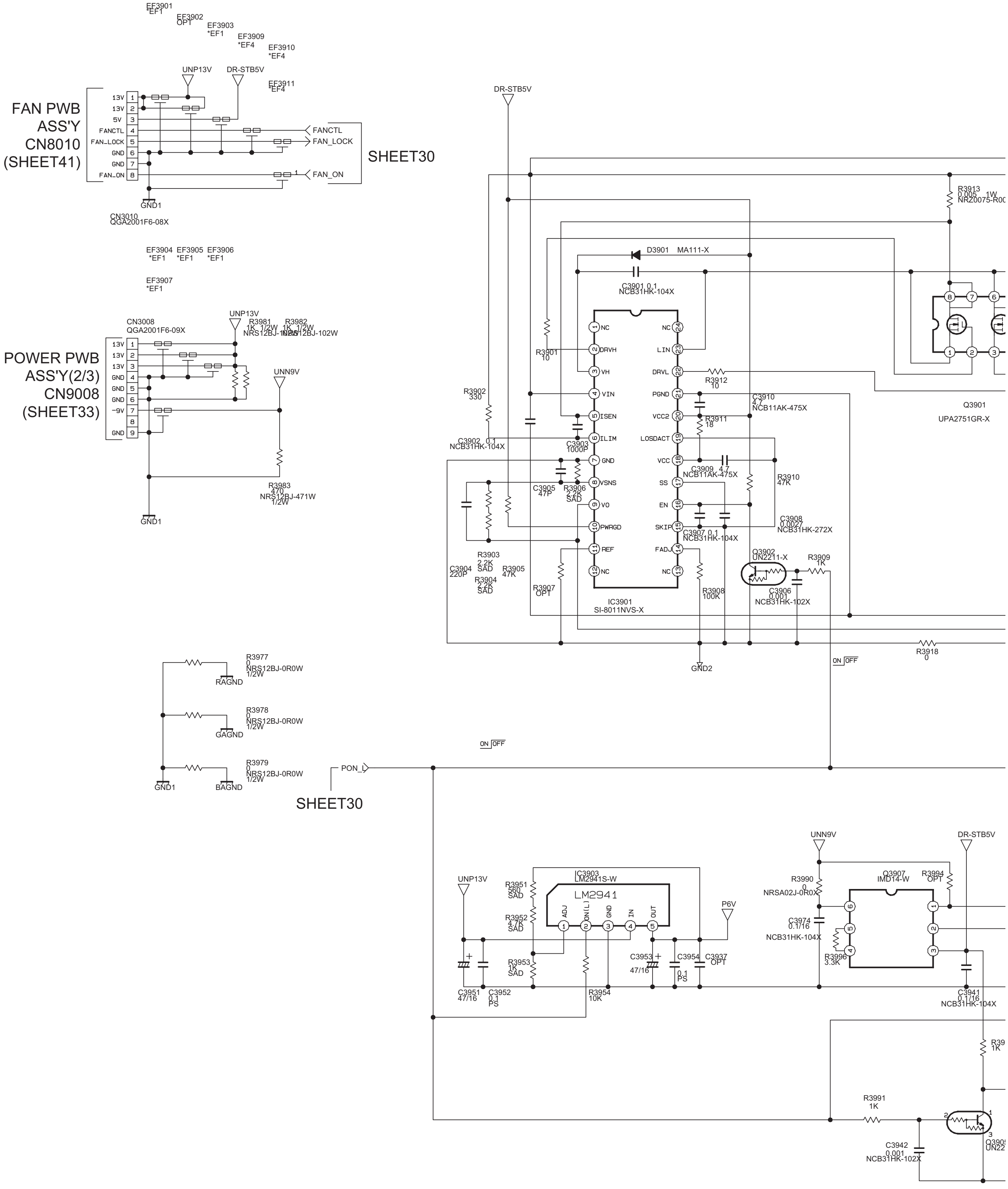
DRIVE PWB CIRCUIT DIAGRAM (6/7) [CONTROLLER] SHEET 30


SHEET26,27,28
SCL
SDA
DR-STB5V
DR-VCC5
C3715 0.1 PS
R3602 0
IC3705 SN74LVC1G66V-X
R3603 OPT
R3601 10K
C3716 0.1 PS
R3605 0
IC3706 SN74LVC1G66V-X
R3604 OPT
C3720 0.1 PS
GND1
DR-VCC3
Q3704 OPT
SCL3.3
Q3705 OPT
SDA3.3
SHEET25
LAMP COVER PWB ASS'Y CN0806 (SHEET38) THERMOSTAT
LAMP BALLAST UNIT
CN3006 QGA1217F1-05X
GND
LUMP_SW
GND
STAT_OUT
STAT_IN
RAMP_CTL
RAMP_RTN
GND
RAMP_ON
CN3011 QGA1002F1-04X
EF3713 *EF5
EF3701 *EF5
EF3702 *EF3
EF3703 *EF3
C3750 OPT
C3709 10/16
EF3708 *EF5
R3716 820
R3717 820
Q3703 OPT
DR-STB5V
K3701 *K1
CTL_5V
C3701 47/16
C3702 0.1 PS
R3729
R3728
R3727
D3702 *D1
D3703 *D1
TP3707
TP3706
DR-STB5V
R3784 OPT
R3785 OPT
C3744 OPT PS
R3786 OPT
IC3744 OPT
R3791 OPT
C3741 0.1 PS
R3741 3.3K
R3745 0
R3742 47
WP1_IN
IC3741 24LC256-I/SNG-X
R3787 OPT
R3788 OPT
R3789 OPT
C3745 OPT PS
R3790 OPT
IC3745 OPT
C3742 0.1 PS
R3743 100
R3744 3.3K
R3750 4.7K
R3751 4.7K
R3746 0
IC3742 24LC256-I/SNG-X
A0 A1 NC GND VCC WP SCL SDA
SHEET31
FAN_ON
R3737 100
D3708 *D1
SHEET27
CLK_DIFF
/RESET3V
DR-VCC3
R3607 47
SHEET26,27,28
R3783 4.7K
R3718 100
R3719 4.7K
R3797 OPT
R3708 10K
R3736 100
R3724 4.7K
R3730 0
R3723 4.7K
R3712
R3792 OPT
DR-STB5V
CN3009 QGA2001F6-10X
DL_CTL RXD TXD 5V GND WP_IN WP_OUT IIC_SEL SDA SCL
OPEN
C3747 100P
C3710 470P
C3711 470P
R3606 0
C3748 100P
C3712 100P
C3713 100P
D3741 *D1
D3742 *D1
IIC_SEL2
WP1_OUT
WP1_IN
TXD
RXD
DL_CTL
SCL0
SDA0
R3748 0
R3747 10K
IIC_SEL1
C3743 0.1 PS
IC3743 CD74HC4053PW-X
R3749 0
R3709 100 ARY
C3708 0.1 PS
D3704 *D1
D3705 *D1
D3707 *D1
DL_CTL
WP1_OUT
R3619 OPT
R3620 OPT
DR-STB5V
EF3709 *EF1
EF3710 *EF2
EF3711 *EF2
CN3007 QGA2001C6-04X
GND SCL SDA 5V
TEMP PWB ASS'Y CN2007 (SHEET37)
R3617 0
R3618 0
DRIVE PWB ASS'Y (6/7)
SRA-3005A-M2



IC3701
AT89C51RD2RLTUM
DD CPU
Q3702
UN2211-X
Q3703
OPT
GND1
R3707
100
ARY
DR-VCC3
C3749 0.001
C3746 0.1 PS
IC3746
SN74LVC541APW-X
/G1
1A
2A
3A
4A
5A
6A
7A
8A
GND
VCC
/G2
1Y
2Y
3Y
4Y
5Y
6Y
7Y
8Y
R3725 0
R3726 0
R3759 0
R3758 0
R3799 OPT
R3768 0
R3769 0
R3754 100
R3755 100
R3756 100
R3757 100
R3765 0
ODCTL1
ODCTL2
ODCTL3
ODCTL4
LVDSCTL
NPSW
SHEET25
C3706 3P
C3704 1000P
C3707 3P
C3705 OPT
L3701 NQL092K-2R2X 2R2
X3701 NAX0781-001X
R3711 0
R3706 1M
R3731 OPT
R3752 1K
R3753 OPT
R3760 OPT
R3733 1K
R3735 1K
R3734 OPT
R3705 100 ARY
R3770 OPT
FANCTL
FAN_LOCK
PON_L
SHEET31
P2.5/A13
P2.4/A12
P2.3/A11
P2.2/A10
P2.1/A9
P2.0/A8
NC
VSS
XTAL1
XTAL2
RD/P3.7
WR/P3.6
T1/P3.5
T0/P3.4
INT1/P3.3
INT0/P3.2
TXD/P3.1
NC
RXD/P3.0
RST
P1.7
P1.6
P1.5
P2.6/A14
P2.7/A15
PSEN
ALE
NC
EA
P0.7/AD7
P0.6/AD6
P0.5/AD5
P0.4/AD4
P0.3/AD3
P0.2/AD2
P0.1/AD1
P0.0/AD0
VCC
NC
T2/P1.0
T2EX/P1.1
P1.2
P1.3
P1.4
R3732 OPT
R3798 0
TP3703 OPT
C3703 10/16
R3704 1K
Q3701 OPT
D3701 *D1
IC3702 OPT S-80840ALNP-W
OUT VSS
VDD NC
C3721 0.1 PS
R3608 0
IC3709 SN74AHCT1G08V-X
BVSYNC
SHEET25
R3712 10K
R3714 4.7K
R3715 4.7K
R3738 0
R3739 0
R3784 10K
R3702 100
R3740 OPT
R3703 100
R3793 OPT
R3775 4.7K
R3776 4.7K
R3772 120
R3773 120
R3774 560
C3751 1 NCB21AK-105X
R3621 10K
R3763 10K
R3794 10K
R3793 10K
R3771 100
R3762 100
R3796 100
R3795 100
D3743 OPT
D3707 *D1
D3706 *D1
R3701 100
SCL0
SDA0
IIC_SEL1
IIC_SEL2
RXD
TXD
Q3707 2SK1374-X
Q3706 2SK1374-X
R3609 OPT
R3610 OPT
RXD_AD
TXD_AD
SHEET25
DR-STB5V
C3722 0.1 PS
R3611 0
R3612 0
R3615 0
IC3710 SN74LVC1G66V-X
A
B
GND
VCC
C
R3614 0
R3613 0
C3723 0.1 PS
IC3711 SN74LVC1G66V-X
C3724 0.1 PS
DR-STB5V
DR-VCC5
C3717 0.1 PS
R3616 10K
IC3707 SN74LVC1G66V-X
C3718 0.1 PS
IC3708 SN74LVC1G66V-X
C3719 0.1 PS
UNP13V
DR-VCC5
R3761 0
EF3704 EF2
EF3705 EF2
EF3712 EF1
EF3706 EF2
EF3707 EF1
C3725 OPT
C3726 OPT
C3727 OPT
C3728 OPT
C3729 OPT
CN3015 QGA1002F1-07X
1 SCL
2 SDA
3 WP
4 NC
5 D5V
6 13V
7 GND
OPEN

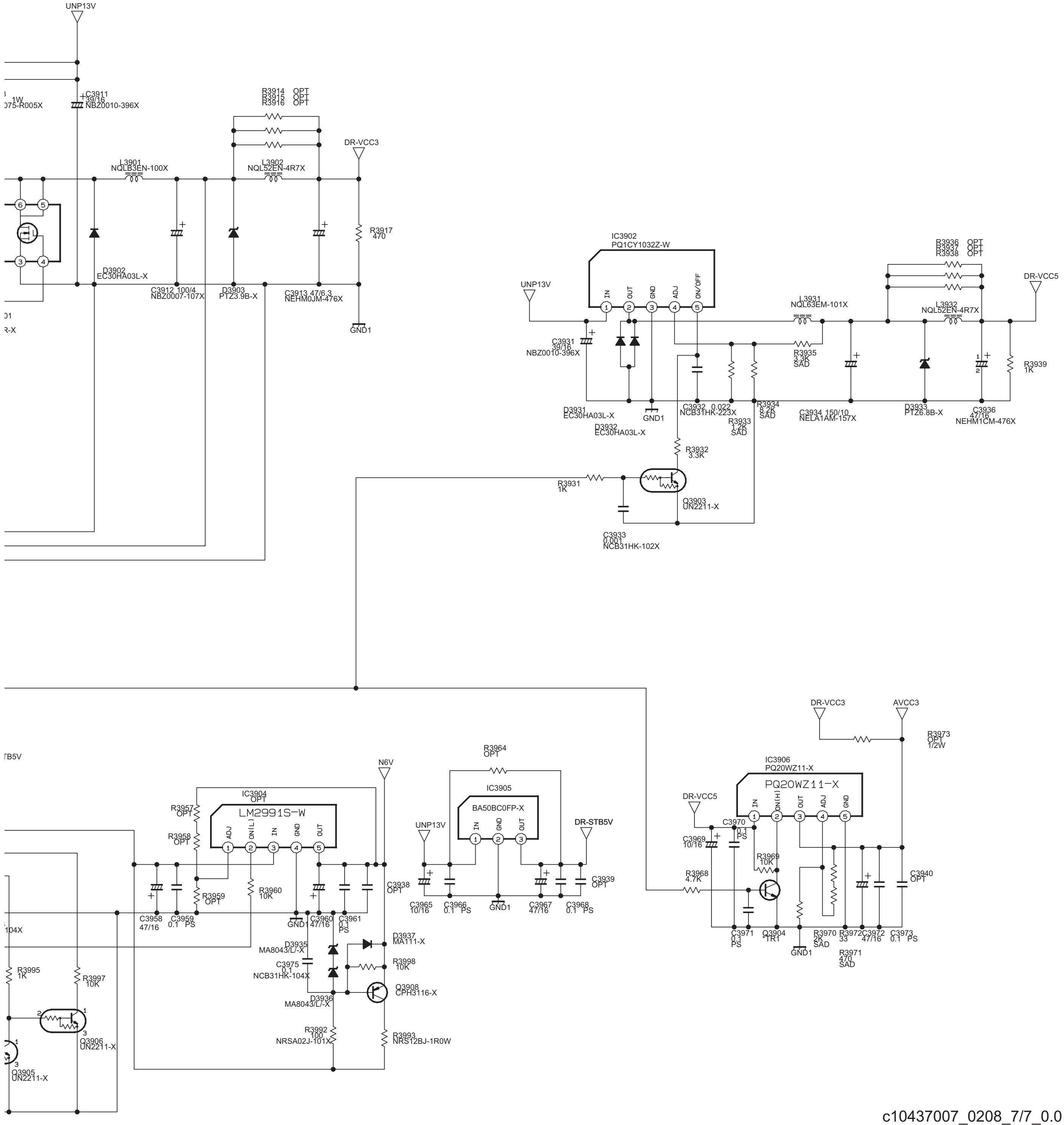
DRIVE PWB CIRCUIT DIAGRAM (7/7) [POWER_REGULATOR] SHEET 31



EF3901
*EF1
EF3902
OPT
EF3903
*EF1
EF3909
*EF4
EF3910
*EF4
EF3911
*EF4
UNP13V
DR-STB5V
FAN PWB
ASS'Y
CN8010
(SHEET41)
13V 1
13V 2
5V 3
FANCTL 4
FAN_LOCK 5
GND 6
GND 7
FAN_ON 8
FANCTL
FAN_LOCK
FAN_ON
SHEET30
GND1
CN3010
QGA2001F6-08X
EF3904 EF3905 EF3906
*EF1 *EF1 *EF1
EF3907
*EF1
CN3008
QGA2001F6-09X
UNP13V
R3981
1K 1/2W
NRS12BJ-102W
R3982
1K 1/2W
NRS12BJ-102W
POWER PWB
ASS'Y(2/3)
CN9008
(SHEET33)
13V 1
13V 2
13V 3
GND 4
GND 5
GND 6
-9V 7
8
GND 9
UNN9V
R3983
470
NRS12BJ-471W
1/2W
GND1
DR-STB5V
R3913
0.005 1W
NRZ0075-R00
D3901 MA111-X
C3901 0.1
NCB31HK-104X
R3901
10
R3902
330
C3902 0.1
NCB31HK-104X
C3903
1000P
C3905
47P
R3906
2.2K
SAD
C3904
220P
R3903
2.2K
SAD
R3905
47K
R3904
2.2K
SAD
R3907
OPT
1 NC
2 DRVH
3 VH
4 VIN
5 ISEN
6 ILIM
7 GND
8 VSNS
9 VO
10 PWRGD
11 REF
12 NC
NC 24
LIN 23
DRVL 22
PGND 21
VCC2 20
LOSDACT 19
VCC 18
SS 17
EN 16
SKIP 15
FADJ 14
NC 13
R3912
10
C3910
4.7
NCB11AK-475X
R3911
18
C3909 4.7
NCB11AK-475X
R3910
47K
C3907 0.1
NCB31HK-104X
C3908
0.0027
NCB31HK-272X
R3908
100K
IC3901
SI-8011NVS-X
Q3902
UN2211-X
R3909
1K
C3906
0.001
NCB31HK-102X
GND2
Q3901
UPA2751GR-X
8 7 6
1 2 3
ON OFF
R3918
0
R3977
0
NRS12BJ-0R0W
1/2W
RAGND
R3978
0
NRS12BJ-0R0W
1/2W
GAGND
R3979
0
NRS12BJ-0R0W
1/2W
GND1
BAGND
PON_L
SHEET30
ON OFF
UNP13V
IC3903
LM2941S-W
LM2941
ADJ 1
ON(L) 2
GND 3
IN 4
OUT 5
R3951
560
SAD
R3952
4.7K
SAD
R3953
1K
SAD
R3954
10K
C3951
47/16
C3952
0.1
PS
C3953
47/16
C3954
0.1
PS
C3937
OPT
P6V
UNN9V
DR-STB5V
R3990
0
NRSA02J-0R0X
Q3907
IMD14-W
R3994
OPT
C3974
0.1/16
NCB31HK-104X
R3996
3.3K
6 5 4
1 2 3
C3941
0.1/16
NCB31HK-104X
R39
1K
R3991
1K
C3942
0.001
NCB31HK-102X
Q390
UN22
2 1 3

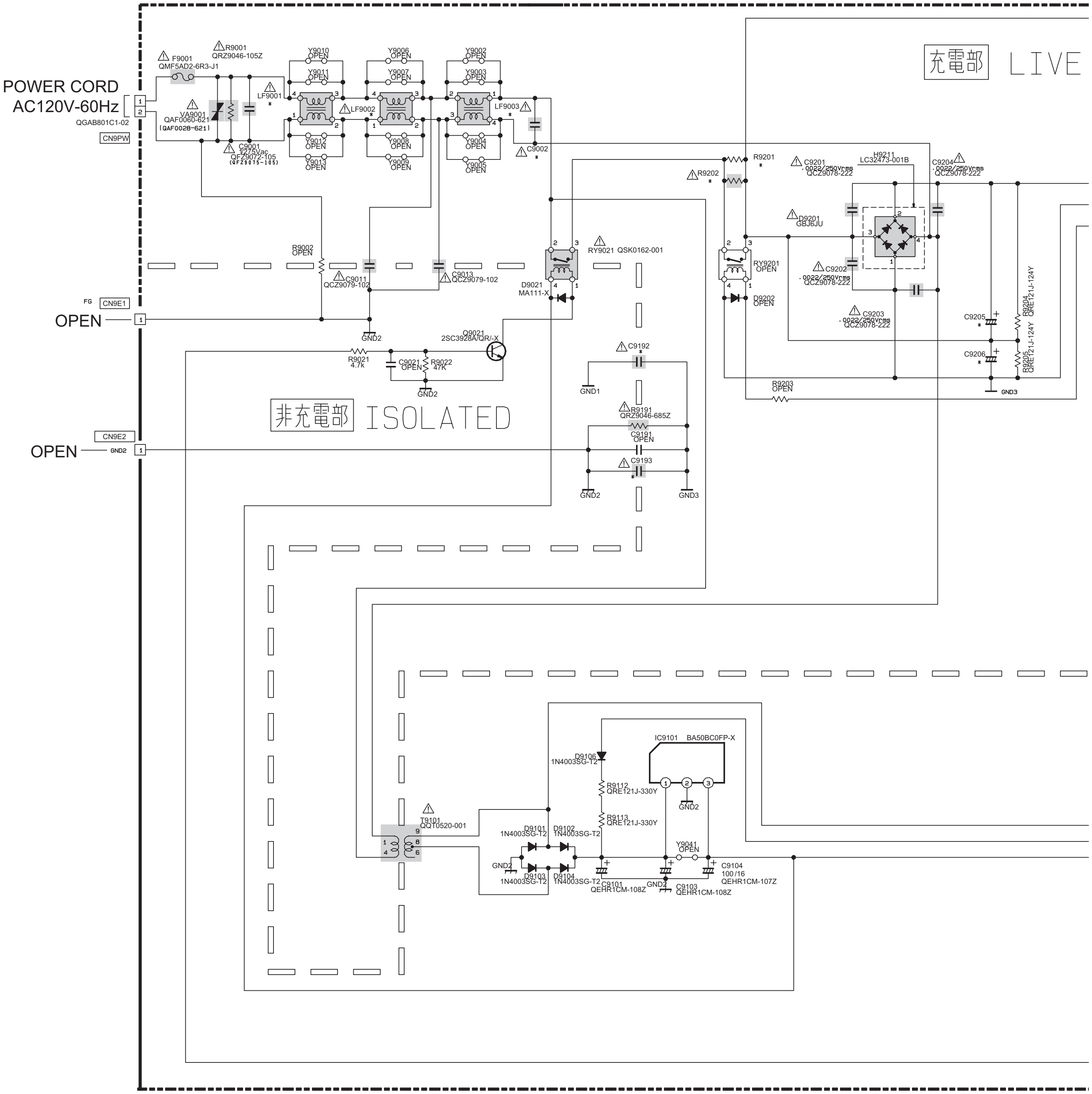
DRIVE PWB ASS'Y (7/7)

SRA-3005A-M2



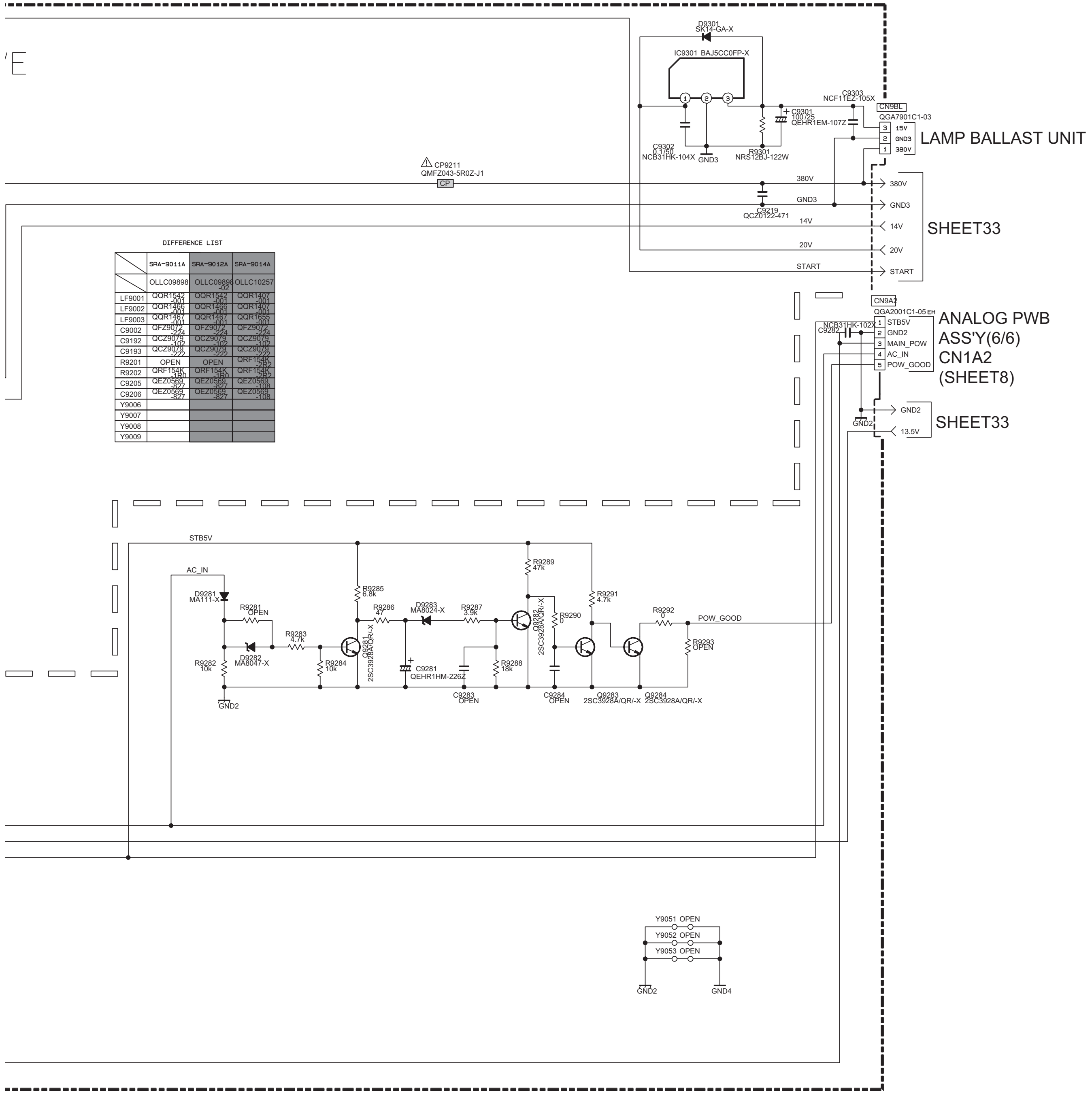
UNP13V
1W
075-R005X
C3911
39/16
NBZ0010-396X
R3914 OPT
R3915 OPT
R3916 OPT
DR-VCC3
L3901
NQLB3EN-100X
L3902
NQL52EN-4R7X
R3917
470
D3902
EC30HA03L-X
C3912 100/4
NBZ0007-107X
D3903
PTZ3.9B-X
C3913 47/6.3
NEHM0JM-476X
GND1
IC3902
PQ1CY1032Z-W
IN
OUT
GND
ADJ
ON/OFF
R3936 OPT
R3937 OPT
R3938 OPT
DR-VCC5
UNP13V
L3931
NQL63EM-101X
L3932
NQL52EN-4R7X
C3931
39/16
NBZ0010-396X
R3935
3.3K
SAD
R3939
1K
D3931
EC30HA03L-X
GND1
C3932 0.022
NCB31HK-223X
R3934
8.2K
SAD
C3934 150/10
NELA1AM-157X
D3933
PTZ6.8B-X
C3936
47/16
NEHM1CM-476X
D3932
EC30HA03L-X
R3933
1.2K
SAD
R3932
3.3K
R3931
1K
Q3903
UN2211-X
C3933
0.001
NCB31HK-102X
DR-VCC3
AVCC3
R3973
OPT
1/2W
IC3906
PQ20WZ11-X
PQ20WZ11-X
IN
ON(H)
OUT
ADJ
GND
DR-VCC5
C3970
0.1
PS
C3969
10/16
R3969
10K
R3968
4.7K
C3940
OPT
C3971
0.1
PS
Q3904
TR1
GND1
R3970
2K
SAD
R3972
33
C3972
47/16
C3973
0.1 PS
R3971
470
SAD
TB5V
R3964
OPT
N6V
IC3905
BA50BC0FP-X
IN
GND
OUT
IC3904
OPT
LM2991S-W
ADJ
ON(L)
IN
GND
OUT
R3957
OPT
R3958
OPT
UNP13V
DR-STB5V
C3939
OPT
C3938
OPT
R3959
OPT
R3960
10K
C3958
47/16
C3959
0.1 PS
GND1
C3960
47/16
C3961
0.1
PS
C3965
10/16
C3966
0.1 PS
GND1
C3967
47/16
C3968
0.1 PS
104X
D3935
MA8043/L/-X
C3975
0.1
NCB31HK-104X
D3937
MA111-X
R3998
10K
Q3908
CPH3116-X
D3936
MA8043/L/-X
R3995
1K
R3997
10K
Q3906
UN2211-X
Q3905
UN2211-X
R3992
100
NRSA02J-101X
R3993
NRS12BJ-1R0W

c10437007_0208_7/7_0.0


POWER CORD
AC120V-60Hz
QGAB801C1-02
CN9PW
1
2
F9001
QMF5AD2-6R3-J1
R9001
QRZ9046-105Z
VA9001
QAF0060-621
(QAF0028-621)
C9001
1/275Vac
QFZ9072-105
(QFZ9075-105)
LF9001
*
Y9010
OPEN
Y9011
OPEN
Y9012
OPEN
Y9013
OPEN
LF9002
*
Y9006
OPEN
Y9007
OPEN
Y9008
OPEN
Y9009
OPEN
Y9002
OPEN
Y9003
OPEN
Y9004
OPEN
Y9005
OPEN
LF9003
*
C9002
*
充電部 LIVE
R9201
*
R9202
*
C9201
.0022/250Vrms
QCZ9078-222
H9211
LC32473-001B
C9204
.0022/250Vrms
QCZ9078-222
D9201
GBJ6JU
RY9021 QSK0162-001
RY9201
OPEN
D9202
OPEN
C9202
.0022/250Vrms
QCZ9078-222
C9203
.0022/250Vrms
QCZ9078-222
C9205
*
C9206
*
R9204
QRE121J-124Y
R9205
QRE121J-124Y
R9203
OPEN
GND3
R9002
OPEN
C9011
QCZ9079-102
C9013
QCZ9079-102
D9021
MA111-X
FG
CN9E1
OPEN
1
GND2
Q9021
2SC3928A/QR/-X
R9021
4.7k
C9021
OPEN
R9022
47K
GND2
C9192
*
GND1
非充電部 ISOLATED
R9191
QRZ9046-685Z
C9191
OPEN
C9193
*
CN9E2
OPEN
GND2
1
GND2
GND3
IC9101 BA50BC0FP-X
D9106
1N4003SG-T2
R9112
QRE121J-330Y
R9113
QRE121J-330Y
GND2
T9101
QQT0520-001
D9101
1N4003SG-T2
D9102
1N4003SG-T2
D9103
1N4003SG-T2
D9104
1N4003SG-T2
GND2
Y9041
OPEN
C9101
QEHR1CM-108Z
GND2
C9103
QEHR1CM-108Z
C9104
100/16
QEHR1CM-107Z

POWER PWB ASS'Y (1/3)

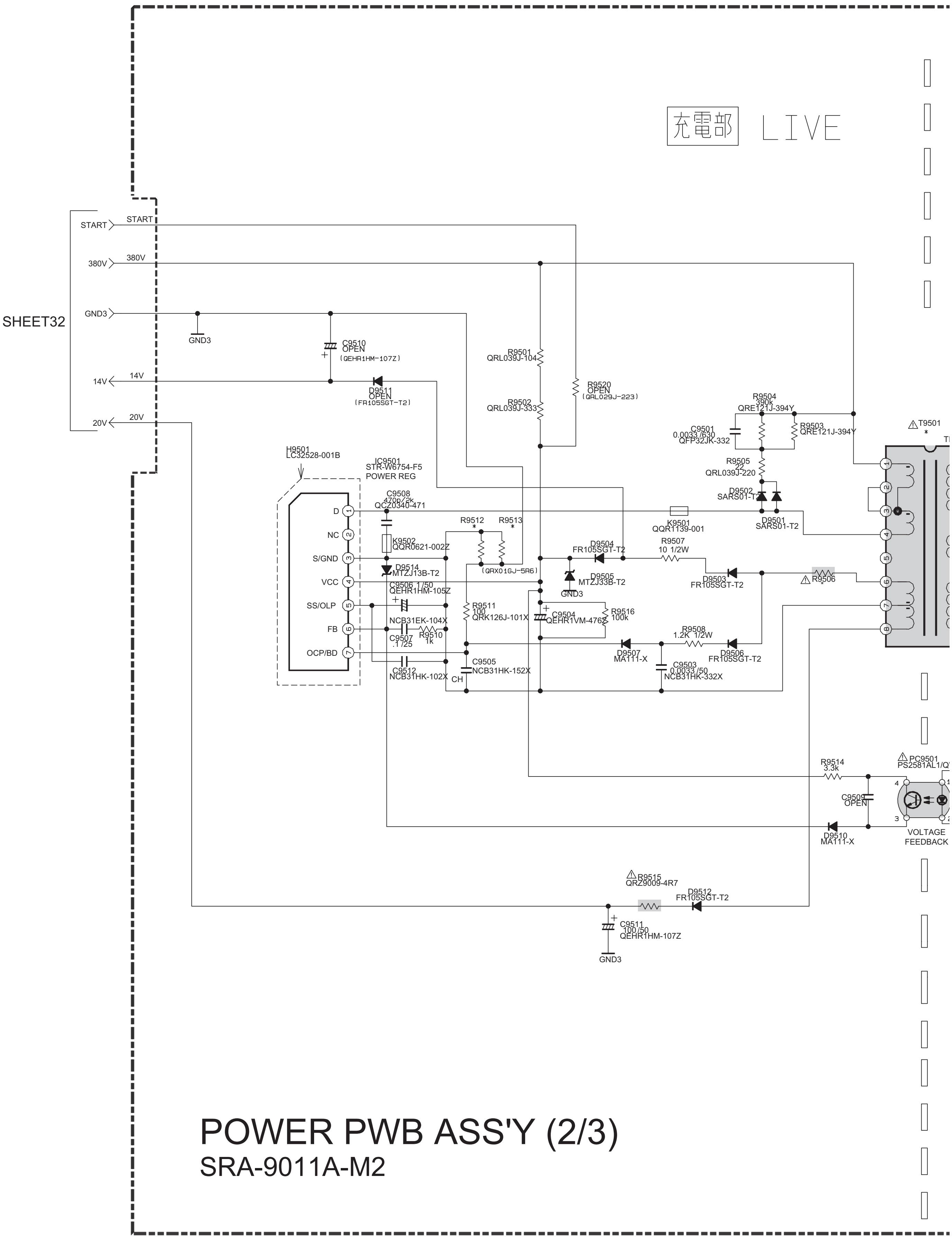
SRA-9011A-M2


D9301
SK14-GA-X
IC9301 BAJ5CC0FP-X
C9303
NCF11EZ-105X
CN9BL
QGA7901C1-03
C9301
100/25
QEHR1EM-107Z
C9302
0.1/50
NCB31HK-104X
GND3
R9301
NRS12BJ-122W
15V
GND3
380V
LAMP BALLAST UNIT
CP9211
QMFZ043-5R0Z-J1
CP
380V
GND3
C9219
QCZ0122-471
14V
20V
START
SHEET33
CN9A2
QGA2001C1-05 EH
NCB31HK-102X
C9282
STB5V
GND2
MAIN_POW
AC_IN
POW_GOOD
ANALOG PWB
ASS'Y(6/6)
CN1A2
(SHEET8)
GND2
13.5V
SHEET33
STB5V
AC_IN
D9281
MA111-X
R9281
OPEN
D9282
MA8047-X
R9282
10k
R9283
4.7k
R9284
10k
GND2
R9285
6.8k
Q9281
2SC3928A/QR/-X
R9286
47
C9281
QEHR1HM-226Z
D9283
MA8024-X
R9287
3.9k
C9283
OPEN
R9288
18k
R9289
47k
Q9282
2SC3928A/QR/-X
R9290
0
C9284
OPEN
R9291
4.7k
Q9283
2SC3928A/QR/-X
Q9284
2SC3928A/QR/-X
R9292
0
R9293
OPEN
POW_GOOD
Y9051 OPEN
Y9052 OPEN
Y9053 OPEN
GND2
GND4

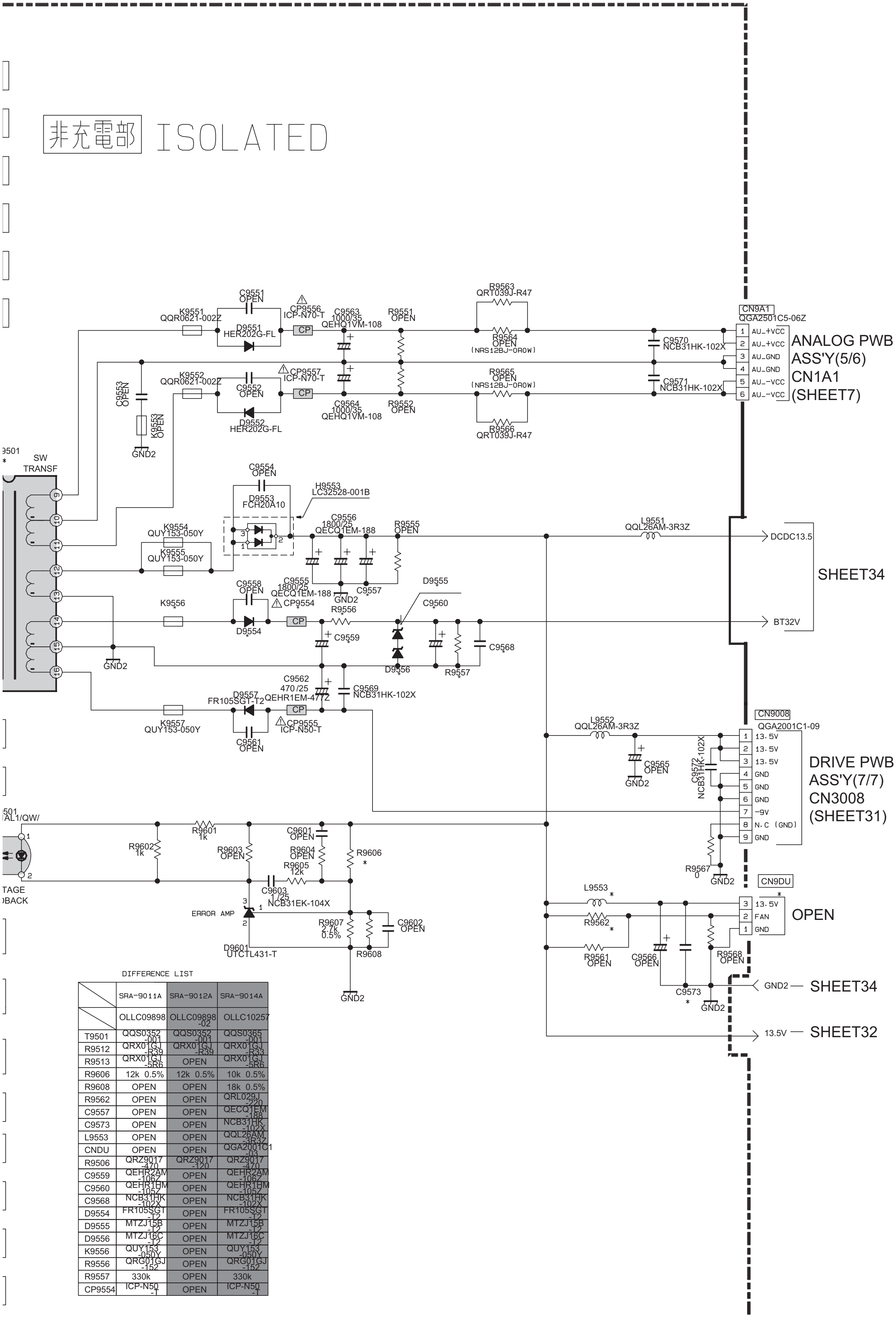
DIFFERENCE LIST

	SRA-9011A	SRA-9012A	SRA-9014A
	OLLC09898	OLLC09898 -02	OLLC10257
LF9001	QQR1542 -001	QQR1542 -001	QQR1407 -001
LF9002	QQR1466 -001	QQR1466 -001	QQR1407 -001
LF9003	QQR1467 -001	QQR1467 -001	QQR1655 -001
C9002	QFZ9072 -224	QFZ9072 -224	QFZ9072 -224
C9192	QCZ9079 -102	QCZ9079 -102	QCZ9079 -102
C9193	QCZ9079 -222	QCZ9079 -222	QCZ9079 -222
R9201	OPEN	OPEN	QRF154K -2R2
R9202	QRF154K -1R0	QRF154K -1R0	QRF154K -2R2
C9205	QEZ0569 -827	QEZ0569 -827	QEZ0569 -108
C9206	QEZ0569 -827	QEZ0569 -827	QEZ0569 -108
Y9006			
Y9007			
Y9008			
Y9009			

POWER PWB CIRCUIT DIAGRAM (2/3) SHEET 33



充電部 LIVE
SHEET32
START
380V
GND3
14V
20V
GND3
C9510
OPEN
(QEHR1HM-107Z)
D9511
OPEN
(FR105SGT-T2)
R9501
QRL039J-104
R9502
QRL039J-333
R9520
OPEN
(QRL029J-223)
R9504
390k
QRE121J-394Y
C9501
0.0033 /630
QFP32JK-332
R9503
QRE121J-394Y
R9505
22
QRL039J-220
D9502
SARS01-T2
D9501
SARS01-T2
T9501
*
H9501
LC32528-001B
IC9501
STR-W6754-F5
POWER REG
C9508
470p/2k
QCZ0340-471
D
NC
S/GND
VCC
SS/OLP
FB
OCP/BD
K9502
QQR0621-002Z
D9514
MTZJ13B-T2
C9506 1/50
QEHR1HM-105Z
NCB31EK-104X
C9507
.1 /25
R9510
1k
C9512
NCB31HK-102X
R9512
*
R9513
*
(QRX01GJ-5R6)
R9511
100
QRK126J-101X
C9505
NCB31HK-152X
CH
K9501
QQR1139-001
D9504
FR105SGT-T2
R9507
10 1/2W
D9505
MTZJ33B-T2
GND3
C9504
QEHR1VM-476Z
R9516
100k
D9503
FR105SGT-T2
R9506
R9508
1.2K 1/2W
D9507
MA111-X
D9506
FR105SGT-T2
C9503
0.0033 /50
NCB31HK-332X
R9514
3.3k
PC9501
PS2581AL1/Q
C9509
OPEN
VOLTAGE
FEEDBACK
D9510
MA111-X
R9515
QRZ9009-4R7
D9512
FR105SGT-T2
C9511
100/50
QEHR1HM-107Z
GND3
POWER PWB ASS'Y (2/3)
SRA-9011A-M2

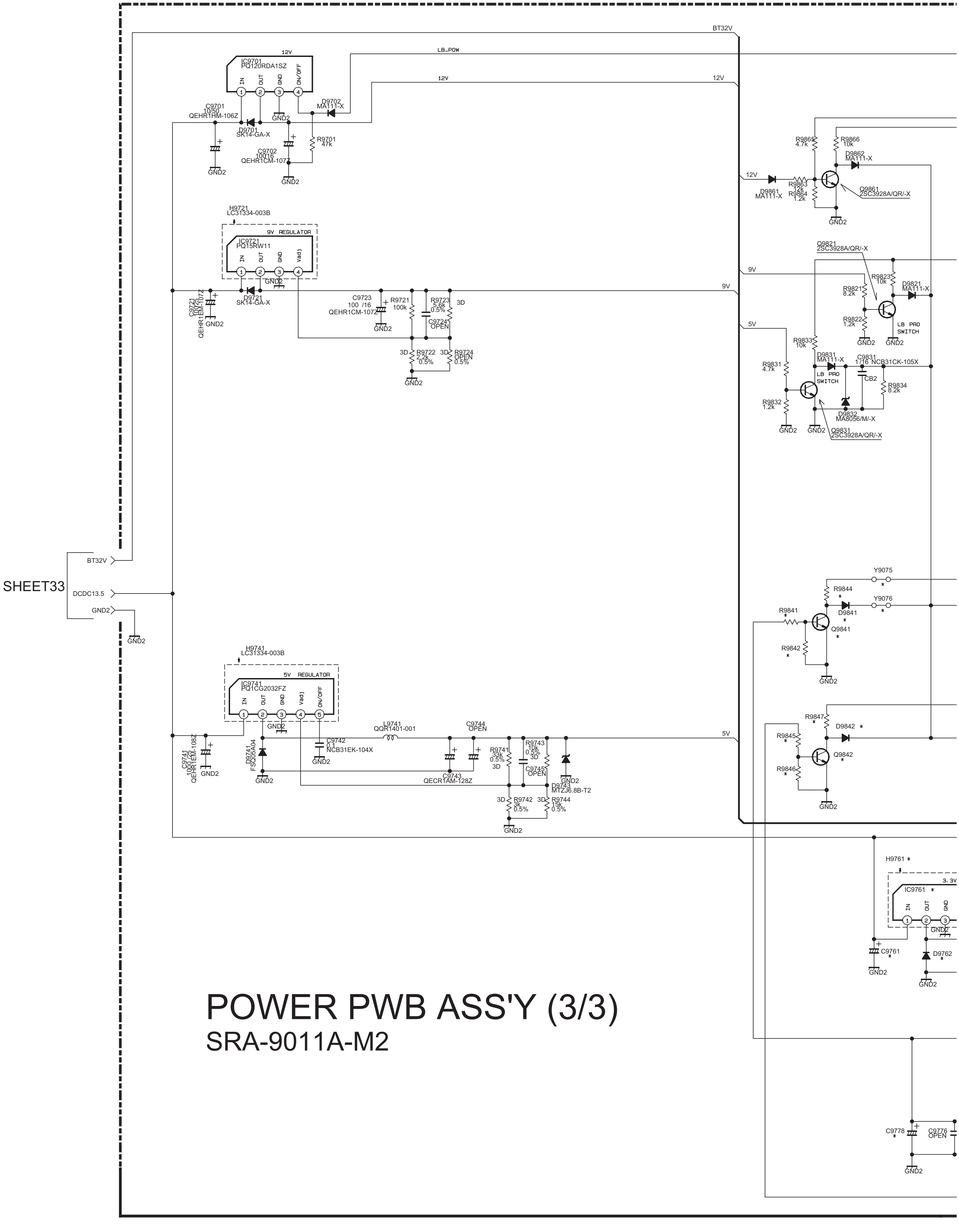

非充電部 ISOLATED
C9551 OPEN
K9551 QQR0621-002Z
D9551 HER202G-FL
CP9556 ICP-N70-T
C9563 1000/35 QEHQ1VM-108
R9551 OPEN
R9563 QRT039J-R47
R9564 OPEN (NRS12BJ-0R0W)
CN9A1 QGA2501C5-06Z
C9570 NCB31HK-102X
C9571 NCB31HK-102X
1 AU_+VCC
2 AU_+VCC
3 AU_GND
4 AU_GND
5 AU_-VCC
6 AU_-VCC
ANALOG PWB ASS'Y(5/6) CN1A1 (SHEET7)
K9552 QQR0621-002Z
CP9557 ICP-N70-T
C9552 OPEN
D9552 HER202G-FL
C9564 1000/35 QEHQ1VM-108
R9552 OPEN
R9565 OPEN (NRS12BJ-0R0W)
R9566 QRT039J-R47
C9553 OPEN
K9553 OPEN
GND2
9501 *
SW TRANSF
C9554 OPEN
H9553 LC32528-001B
D9553 FCH20A10
K9554 QUY153-050Y
K9555 QUY153-050Y
C9556 1800/25 QECQ1EM-188
R9555 OPEN
L9551 QQL26AM-3R3Z
DCDC13.5
SHEET34
C9558 OPEN
C9555 1800/25 QECQ1EM-188
C9557
D9555
K9556
CP9554
R9556
C9560
D9554
C9559
D9556
C9568
R9557
BT32V
C9562 470/25 QEHR1EM-477Z
C9569 NCB31HK-102X
D9557 FR105SGT-T2
CP9555 ICP-N50-T
K9557 QUY153-050Y
C9561 OPEN
L9552 QQL26AM-3R3Z
CN9008 QGA2001C1-09
C9565 OPEN
C9572 NCB31HK-102X
1 13.5V
2 13.5V
3 13.5V
4 GND
5 GND
6 GND
7 -9V
8 N.C (GND)
9 GND
DRIVE PWB ASS'Y(7/7) CN3008 (SHEET31)
R9567 0
501 AL1/QW/
TAGE DBACK
R9601 1k
R9602 1k
R9603 OPEN
C9601 OPEN
R9604 OPEN
R9605 12k
R9606 *
C9603 1/25 NCB31EK-104X
ERROR AMP
R9607 2.7k 0.5%
C9602 OPEN
D9601 UTCTL431-T
R9608
L9553 *
R9562 *
R9561 OPEN
C9566 OPEN
C9573 *
R9568 OPEN
CN9DU *
3 13.5V
2 FAN
1 GND
OPEN
GND2 SHEET34
13.5V SHEET32

DIFFERENCE LIST

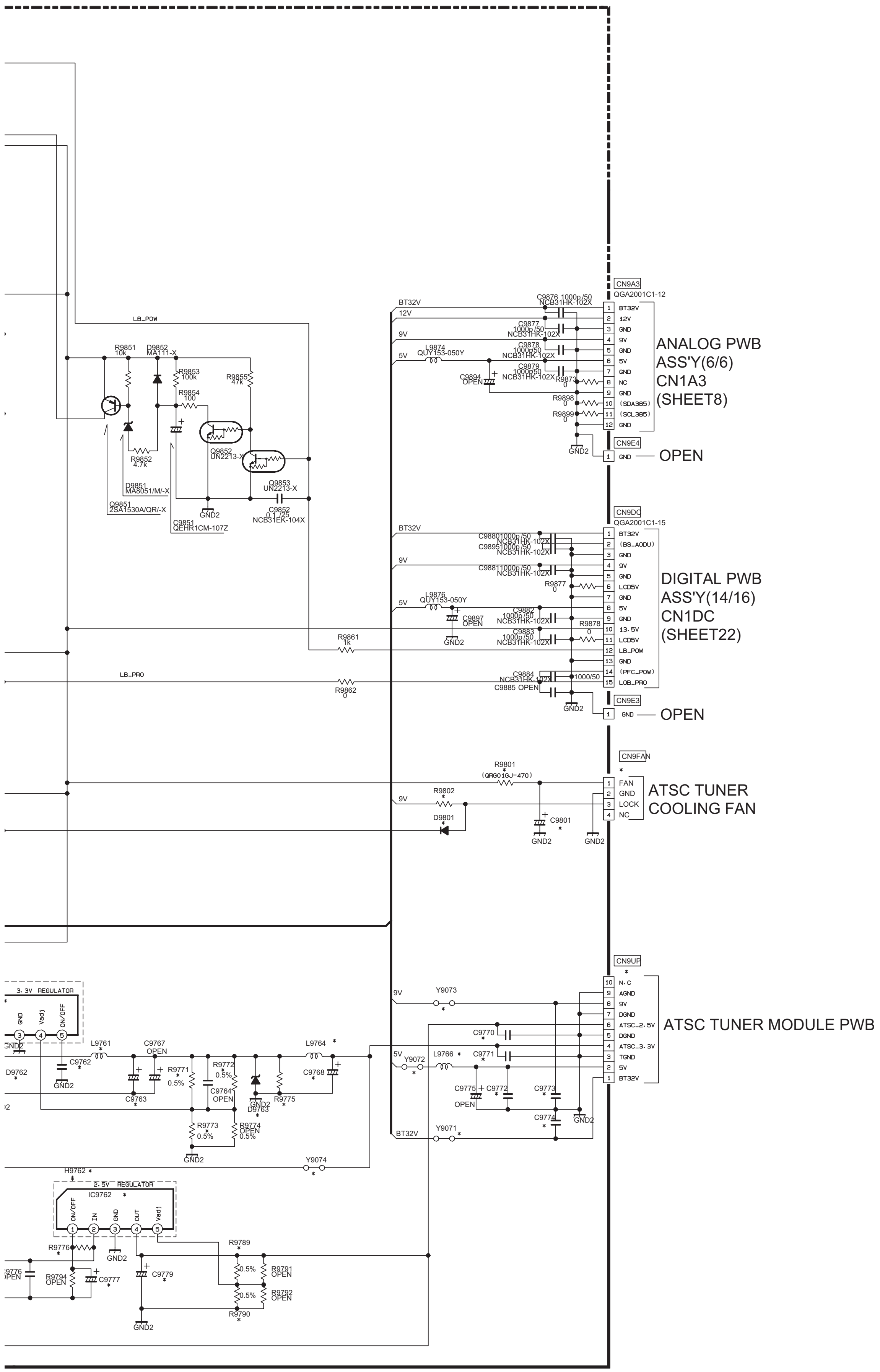
	SRA-9011A	SRA-9012A	SRA-9014A
	OLLC09898	OLLC09898 -02	OLLC10257
T9501	QQS0352 -001	QQS0352 -001	QQS0365 -001
R9512	QRX01GJ -R39	QRX01GJ -R39	QRX01GJ -R33
R9513	QRX01GJ -5R6	OPEN	QRX01GJ -5R6
R9606	12k 0.5%	12k 0.5%	10k 0.5%
R9608	OPEN	OPEN	18k 0.5%
R9562	OPEN	OPEN	QRL029J -220
C9557	OPEN	OPEN	QECQ1EM -188
C9573	OPEN	OPEN	NCB31HK -102X
L9553	OPEN	OPEN	QQL26AM -3R3Z
CNDU	OPEN	OPEN	QGA2001C1 -03
R9506	QRZ9017 -470	QRZ9017 -120	QRZ9017 -470
C9559	QEHR2AM -106Z	OPEN	QEHR2AM -106Z
C9560	QEHR1HM -105Z	OPEN	QEHR1HM -105Z
C9568	NCB31HK -102X	OPEN	NCB31HK -102X
D9554	FR105SGT -T2	OPEN	FR105SGT -T2
D9555	MTZJ15B -T2	OPEN	MTZJ15B -T2
D9556	MTZJ16C -T2	OPEN	MTZJ16C -T2
K9556	QUY153 -050Y	OPEN	QUY153 -050Y
R9556	QRG01GJ -152	OPEN	QRG01GJ -152
R9557	330k	OPEN	330k
CP9554	ICP-N50 -T	OPEN	ICP-N50 -T

c20179001_0214_2/3_0.0

POWER PWB CIRCUIT DIAGRAM (3/3) SHEET 34


BT32V
LB_POW
12V
IC9701
PQ120RDA1SZ
IN
OUT
GND
ON/OFF
C9701
10/50
QEHR1HM-106Z
D9701
SK14-GA-X
D9702
MA111-X
C9702
100/16
QEHR1CM-107Z
R9701
47k
GND2
H9721
LC31334-003B
9V REGULATOR
IC9721
PQ15RW11
Vadj
C9721
100/16
QEHR1EM-107Z
D9721
SK14-GA-X
C9723
100 /16
QEHR1CM-107Z
R9721
100k
R9723
5.6k
0.5%
3D
C9724
OPEN
R9722
2.2k
0.5%
R9724
OPEN
0.5%
9V
5V
SHEET33
BT32V
DCDC13.5
GND2
H9741
LC31334-003B
5V REGULATOR
IC9741
PQ1CG2032FZ
C9741
100/25
QEHR1EM-108Z
D9741
FS005A04
C9742
0.1
NCB31EK-104X
L9741
QQR1401-001
C9744
OPEN
C9743
QECR1AM-128Z
R9741
33k
0.5%
R9743
10k
0.5%
C9745
OPEN
D9743
MTZJ6.8B-T2
R9742
3k
0.5%
R9744
15k
0.5%
R9865
4.7k
R9866
10k
D9862
MA111-X
D9861
MA111-X
R9863
12k
R9864
1.2k
Q9861
2SC3928A/QR/-X
Q9821
2SC3928A/QR/-X
R9823
10k
D9821
MA111-X
R9821
8.2k
R9822
1.2k
LB PRO
SWITCH
R9833
10k
D9831
MA111-X
C9831
1/16 NCB31CK-105X
CB2
R9831
4.7k
R9832
1.2k
R9834
8.2k
D9832
MA8056/M/-X
Q9831
2SC3928A/QR/-X
Y9075
Y9076
R9844
D9841
R9841
Q9841
R9842
R9847
D9842
R9845
Q9842
R9846
H9761
IC9761
3.3V
C9761
D9762
C9778
C9776
OPEN
*

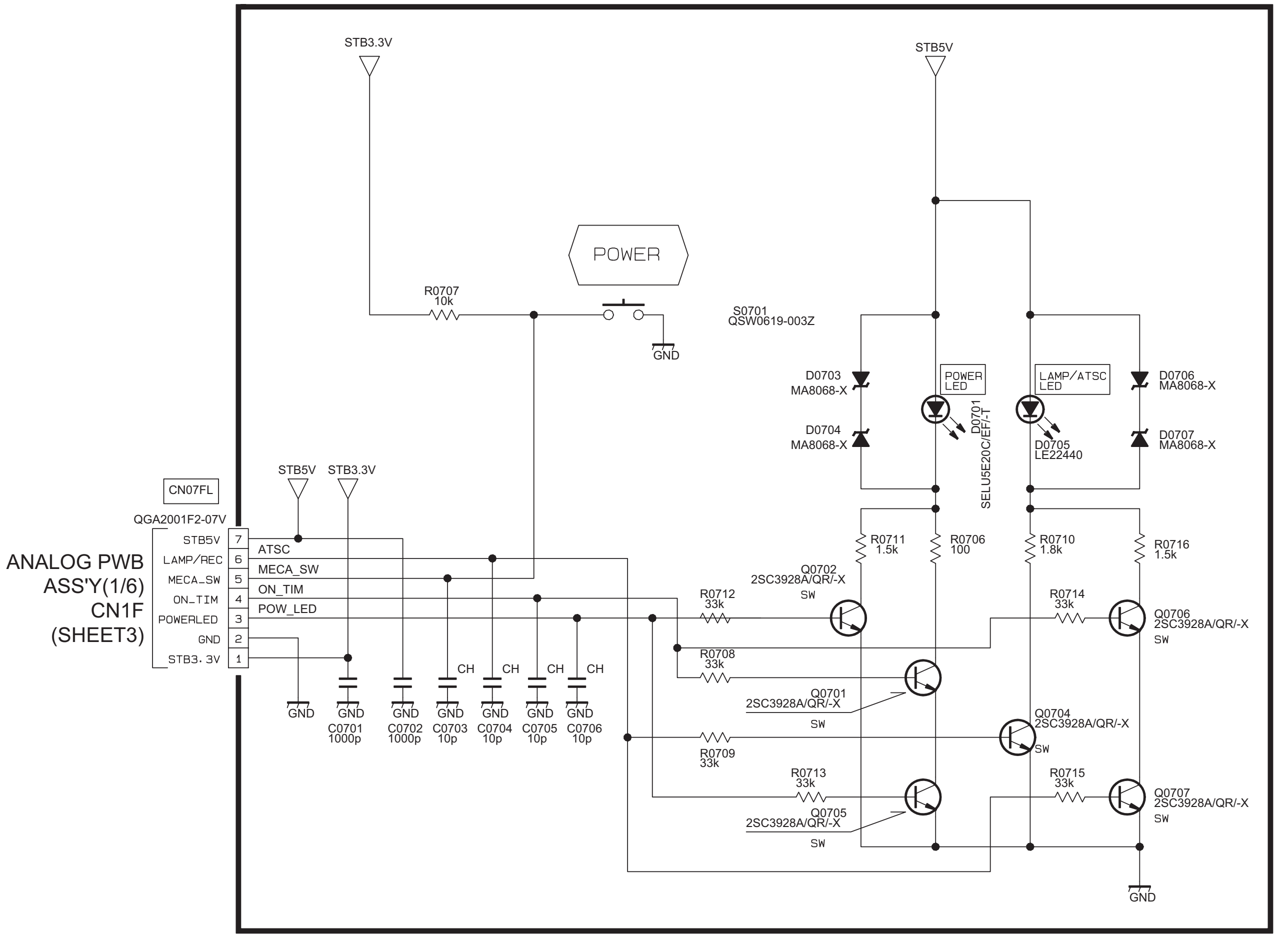
POWER PWB ASS'Y (3/3)
SRA-9011A-M2


LB_POW
R9851
10k
D9852
MA111-X
R9853
100k
R9855
47k
R9854
100
Q9852
UN2213-X
Q9853
UN2213-X
R9852
4.7k
D9851
MA8051/M/-X
Q9851
2SA1530A/QR/-X
C9851
QEHR1CM-107Z
C9852
0.1 /25
NCB31EK-104X
GND2
BT32V
12V
9V
5V
L9874
QUY153-050Y
C9876 1000p/50
NCB31HK-102X
C9877
1000p/50
NCB31HK-102X
C9878
1000p/50
NCB31HK-102X
C9879
1000p/50
NCB31HK-102X
C9894
OPEN
R9873
0
R9898
0
R9899
0
CN9A3
QGA2001C1-12
1 BT32V
2 12V
3 GND
4 9V
5 GND
6 5V
7 GND
8 NC
9 GND
10 (SDA3B5)
11 (SCL3B5)
12 GND
ANALOG PWB
ASS'Y(6/6)
CN1A3
(SHEET8)
CN9E4
1 GND
OPEN
CN9DC
QGA2001C1-15
C9880 1000p/50
NCB31HK-102X
C9895 1000p/50
NCB31HK-102X
C9881 1000p/50
NCB31HK-102X
R9877
0
L9876
QUY153-050Y
C9897
OPEN
C9882
1000p/50
NCB31HK-102X
C9883
1000p/50
NCB31HK-102X
R9878
0
R9861
1k
LB_PRO
R9862
0
C9884
NCB31HK-102X
1000/50
C9885 OPEN
1 BT32V
2 (BS_AODU)
3 GND
4 9V
5 GND
6 LCD5V
7 GND
8 5V
9 GND
10 13.5V
11 LCD5V
12 LB_POW
13 GND
14 (PFC_POW)
15 LOB_PRO
DIGITAL PWB
ASS'Y(14/16)
CN1DC
(SHEET22)
CN9E3
1 GND
OPEN
CN9FAN
R9801
(QRG01GJ-470)
R9802
D9801
C9801
1 FAN
2 GND
3 LOCK
4 NC
ATSC TUNER
COOLING FAN
CN9UP
10 N.C
9 AGND
8 9V
7 DGND
6 ATSC_2.5V
5 DGND
4 ATSC_3.3V
3 TGND
2 5V
1 BT32V
ATSC TUNER MODULE PWB
Y9073
Y9072
Y9071
Y9074
L9766
C9770
C9771
C9775
OPEN
C9772
C9773
C9774
3.3V REGULATOR
GND
Vadj
ON/OFF
L9761
C9762
C9767
OPEN
D9762
C9763
R9771
0.5%
R9772
0.5%
C9764
OPEN
D9763
R9775
L9764
C9768
R9773
0.5%
R9774
OPEN
0.5%
H9762
2.5V REGULATOR
IC9762
IN
OUT
R9776
C9776
OPEN
R9794
OPEN
C9777
C9779
R9789
R9790
R9791
OPEN
R9792
OPEN

DIFFERENCE LIST

	SRA-9011A	SRA-9012A	SRA-9014A
	OLLC09898	ollc09898 -02	OLLC10257
CNFAN	QGA2001C1 -04	OPEN	OPEN
CN2UP	QGA2001C1 -10	OPEN	OPEN
IC9761	PQ1CG2032 FZ	OPEN	OPEN
IC9762	SI-3011ZF -F3	OPEN	OPEN
H9761	LC31334 -003B	OPEN	OPEN
H9762	LC31334 -003B	OPEN	OPEN
C9761	QEHR1EM -108Z	OPEN	OPEN
C9762	NCB31EK -104X	OPEN	OPEN
C9763	QECR1AM -128Z	OPEN	OPEN
C9768	QEHR1CM -107Z	OPEN	OPEN
C9770	NCB31HK -102X	OPEN	OPEN
C9771	NCB31HK -102X	OPEN	OPEN
C9772	NCB31HK -102X	OPEN	OPEN
C9773	NCB31HK -102X	OPEN	OPEN
C9774	NCB31HK -102X	OPEN	OPEN
C9777	QEHR1HM -105Z	OPEN	OPEN
C9778	QEHR1CM -107Z	OPEN	OPEN
C9779	QEHR1CM -107Z	OPEN	OPEN
C9801	QEHR1HM -106Z	OPEN	OPEN
D9762	FSQ05A04	OPEN	OPEN
D9763	MTZJ3.9B -T2	OPEN	OPEN
D9801	MA111-X	OPEN	OPEN
D9841	MA111-X	OPEN	OPEN
D9842	MA111-X	OPEN	OPEN
L9761	QQR1401 -001	OPEN	OPEN
L9764	QUY153 -050Y	OPEN	OPEN
L9766	QUY153 -050Y	OPEN	OPEN
Q9841	2SC3928A /QR/-X	OPEN	OPEN
Q9842	2SC3928A /QR/-X	OPEN	OPEN
R9771	5.6k	OPEN	OPEN
R9772	6.8k	OPEN	OPEN
R9773	1.8k	OPEN	OPEN
R9775	NRS12BJ -331W	OPEN	OPEN
R9776	4.7k	OPEN	OPEN
R9789	15k	OPEN	OPEN
R9790	11k	OPEN	OPEN
R9801	QRG01GJ -470	OPEN	OPEN
R9802	4.7k	OPEN	OPEN
R9841	2.7k	OPEN	OPEN
R9842	1.2k	OPEN	OPEN
R9844	10k	OPEN	OPEN
R9845	1.8k	OPEN	OPEN
R9846	1.2k	OPEN	OPEN
R9847	10k	OPEN	OPEN
Y9071	QUY160 -100Y	OPEN	OPEN
Y9072	QUY160 -100Y	OPEN	OPEN
Y9073	QUY160 -100Y	OPEN	OPEN
Y9074	QUY160 -100Y	OPEN	OPEN
Y9075	QUY160 -100Y	OPEN	OPEN
Y9076	QUY160 -100Y	OPEN	OPEN

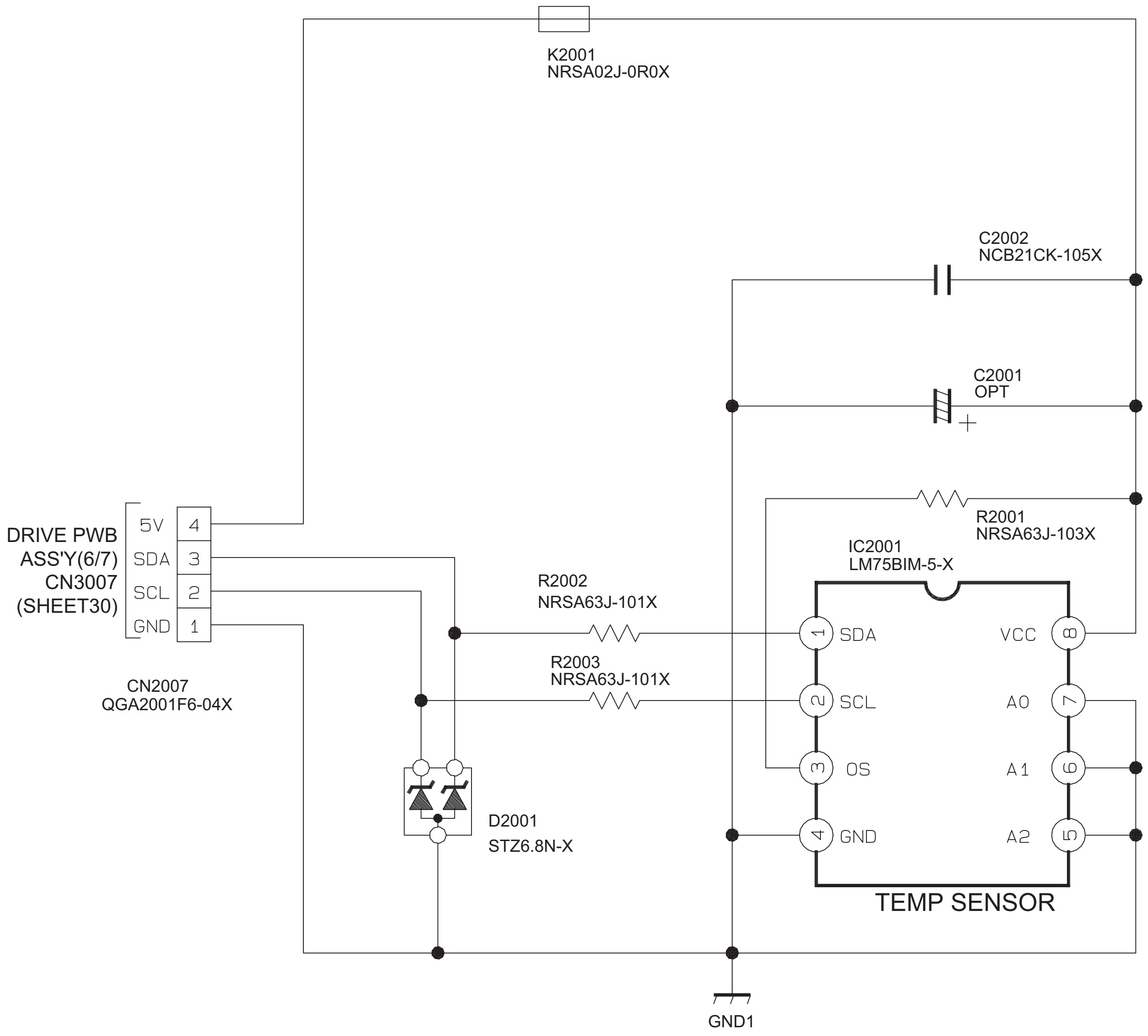
c20179001_0214_3/3_0.0


STB3.3V
STB5V
POWER
R0707
10k
S0701
QSW0619-003Z
GND
D0703
MA8068-X
D0704
MA8068-X
POWER LED
D0701
SELU5E20C/EF/-T
LAMP/ATSC LED
D0705
LE22440
D0706
MA8068-X
D0707
MA8068-X
CN07FL
QGA2001F2-07V
ANALOG PWB
ASS'Y(1/6)
CN1F
(SHEET3)
STB5V 7
LAMP/REC 6
MECA_SW 5
ON_TIM 4
POWERLED 3
GND 2
STB3.3V 1
ATSC
MECA_SW
ON_TIM
POW_LED
STB5V
STB3.3V
R0711
1.5k
R0706
100
R0710
1.8k
R0716
1.5k
Q0702
2SC3928A/QR/-X
SW
R0712
33k
R0714
33k
Q0706
2SC3928A/QR/-X
SW
R0708
33k
Q0701
2SC3928A/QR/-X
SW
Q0704
2SC3928A/QR/-X
SW
R0709
33k
R0713
33k
Q0705
2SC3928A/QR/-X
SW
R0715
33k
Q0707
2SC3928A/QR/-X
SW
CH
CH
CH
CH
GND
GND
GND
GND
GND
GND
GND
C0701
1000p
C0702
1000p
C0703
10p
C0704
10p
C0705
10p
C0706
10p
GND

FRONT LED PWB ASS'Y

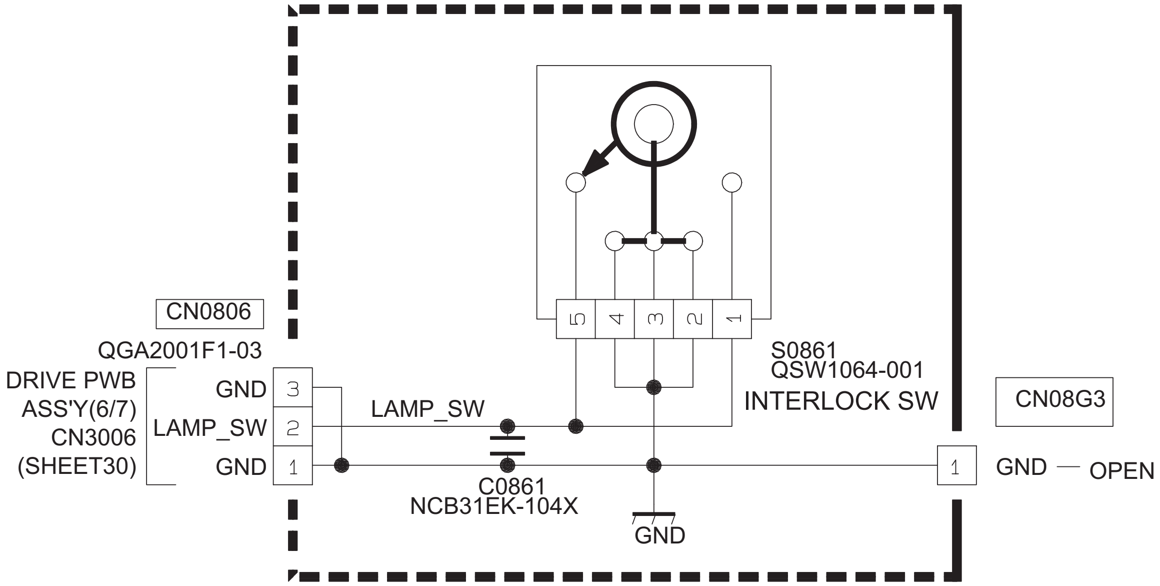
SRA0L111A-M2

c30200001_0214_1/1_0.0


K2001
NRSA02J-0R0X
C2002
NCB21CK-105X
C2001
OPT
R2001
NRSA63J-103X
IC2001
LM75BIM-5-X
DRIVE PWB
ASS'Y(6/7)
CN3007
(SHEET30)
5V 4
SDA 3
SCL 2
GND 1
CN2007
QGA2001F6-04X
R2002
NRSA63J-101X
R2003
NRSA63J-101X
1 SDA
2 SCL
3 OS
4 GND
VCC 8
A0 7
A1 6
A2 5
D2001
STZ6.8N-X
TEMP SENSOR
GND1

TEMP PWB ASS'Y
SRA-8202A-M2

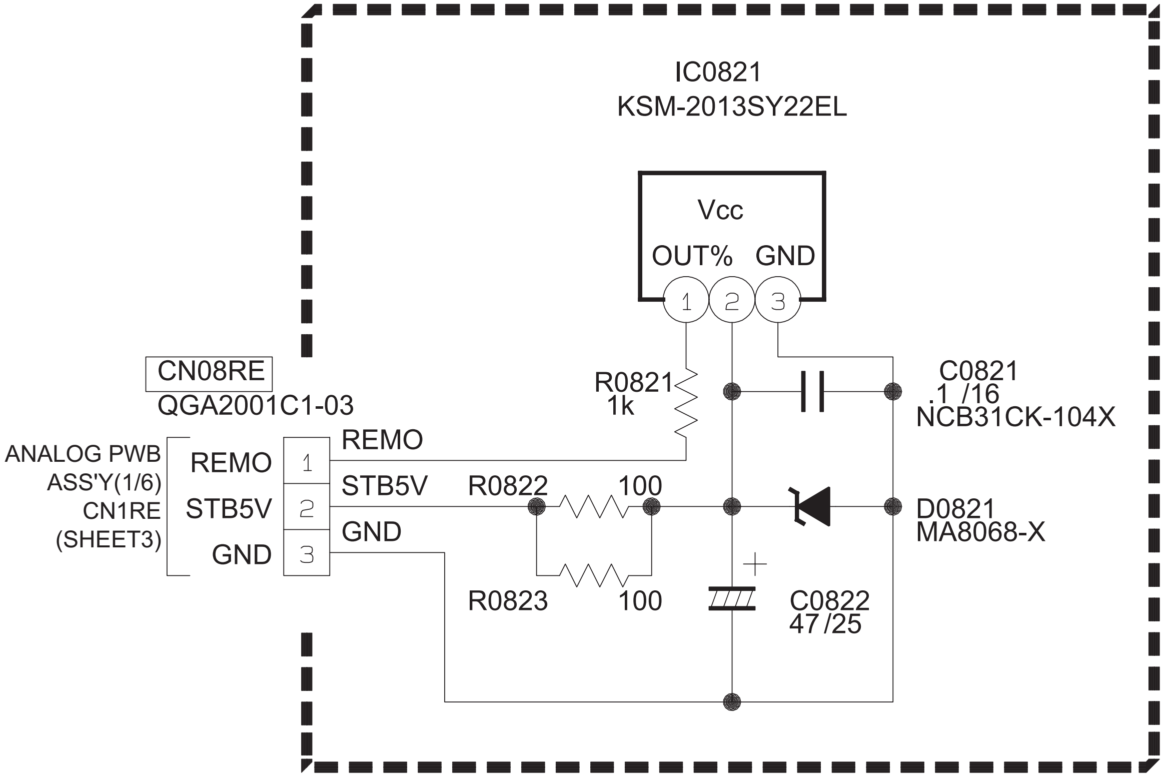
c40087001_0216_1/1_0.0


CN0806
QGA2001F1-03
DRIVE PWB
ASS'Y(6/7)
CN3006
(SHEET30)
GND
LAMP_SW
GND
3
2
1
LAMP_SW
C0861
NCB31EK-104X
GND
5
4
3
2
1
S0861
QSW1064-001
INTERLOCK SW
CN08G3
1
GND — OPEN

LAMP COVER PWB ASS'Y

SRA0L211A-M2

c40084001_0214_1/1_0.0

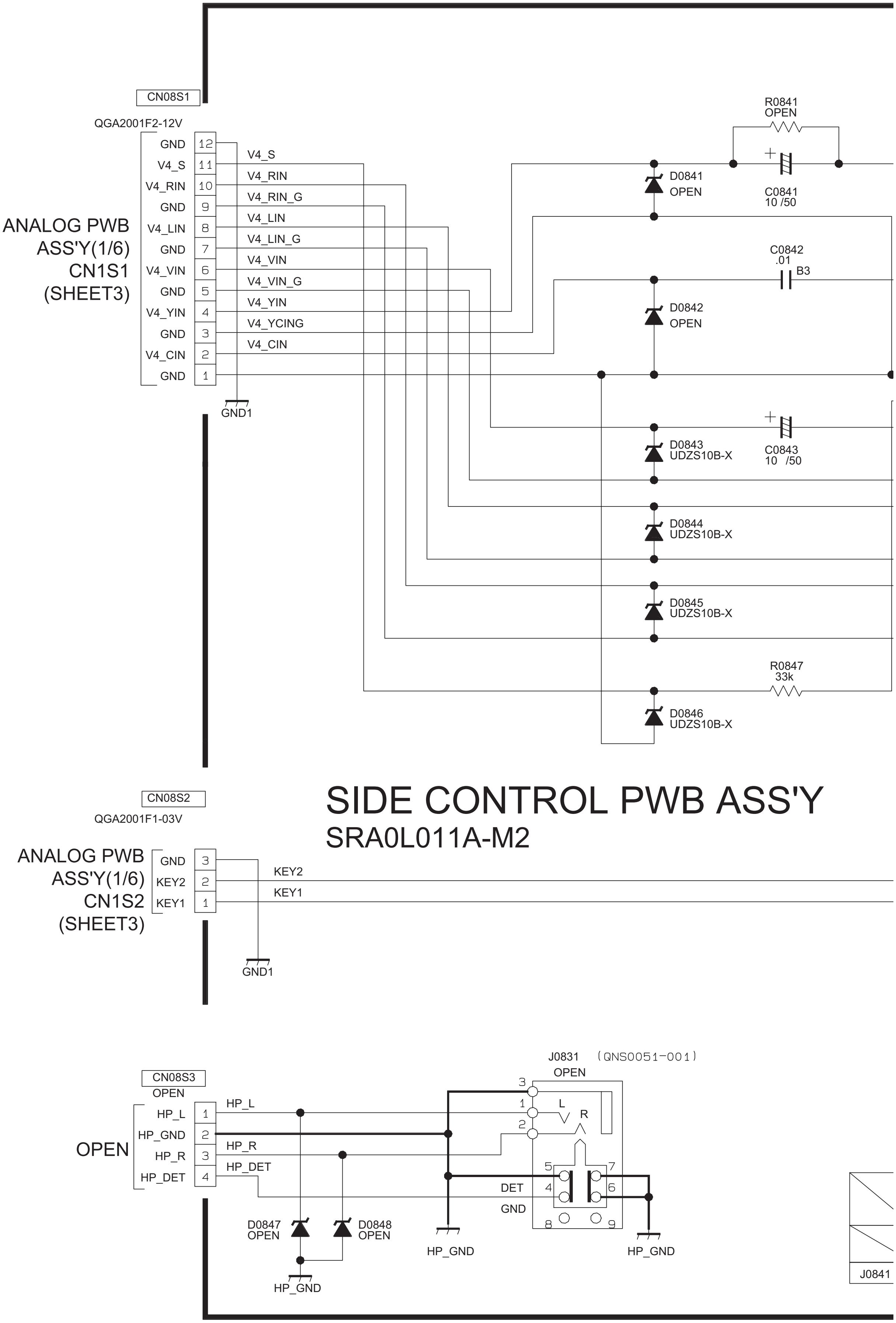

IC0821
KSM-2013SY22EL
Vcc
OUT%
GND
1
2
3
CN08RE
QGA2001C1-03
R0821
1k
C0821
.1 /16
NCB31CK-104X
ANALOG PWB
ASS'Y(1/6)
CN1RE
(SHEET3)
REMO
STB5V
GND
REMO
STB5V
GND
R0822
100
D0821
MA8068-X
R0823
100
C0822
47 /25

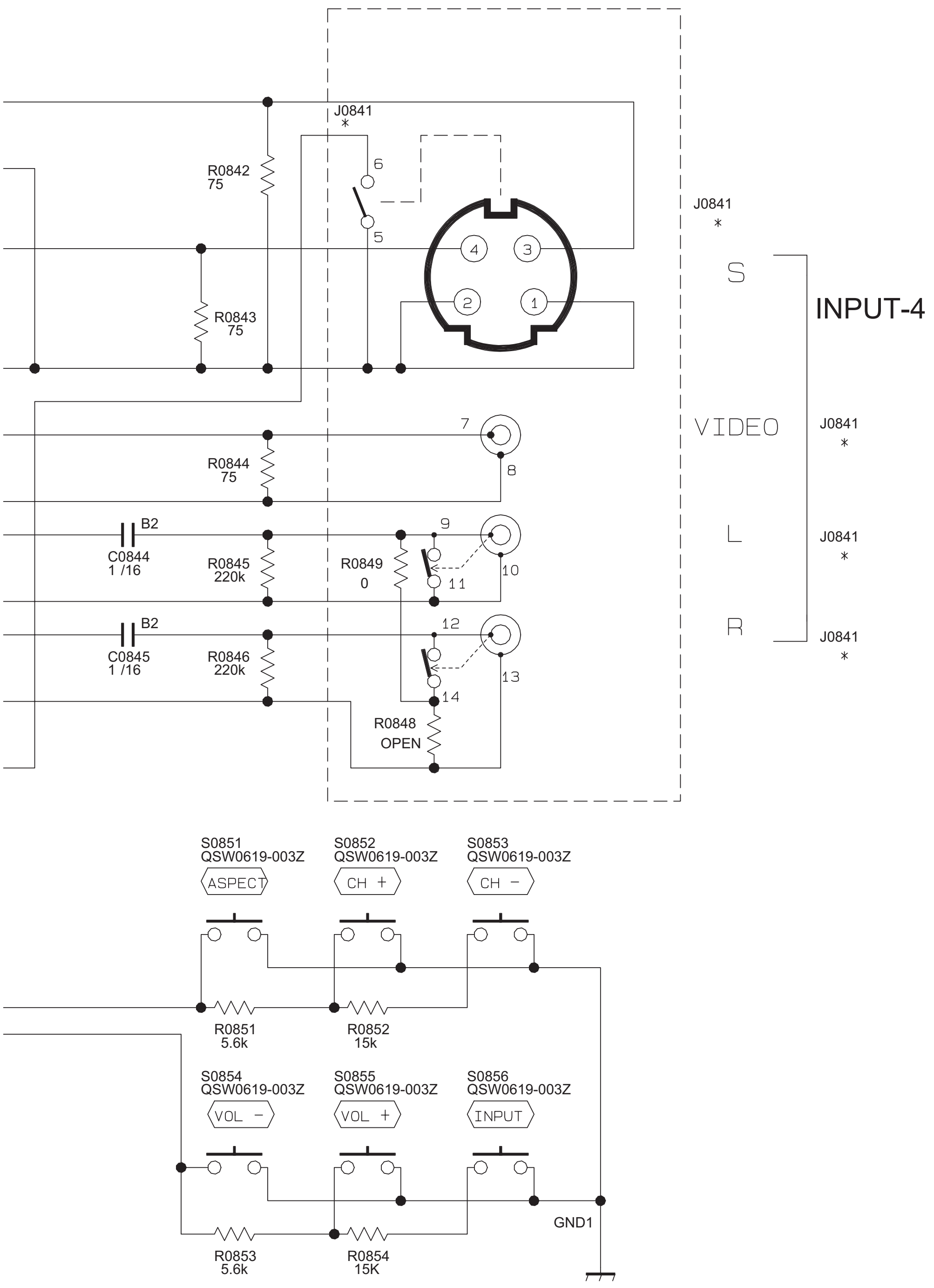
REMOCON PWB ASS'Y

SRA-8011A-M2

c40085001_0214_1/1_0.0

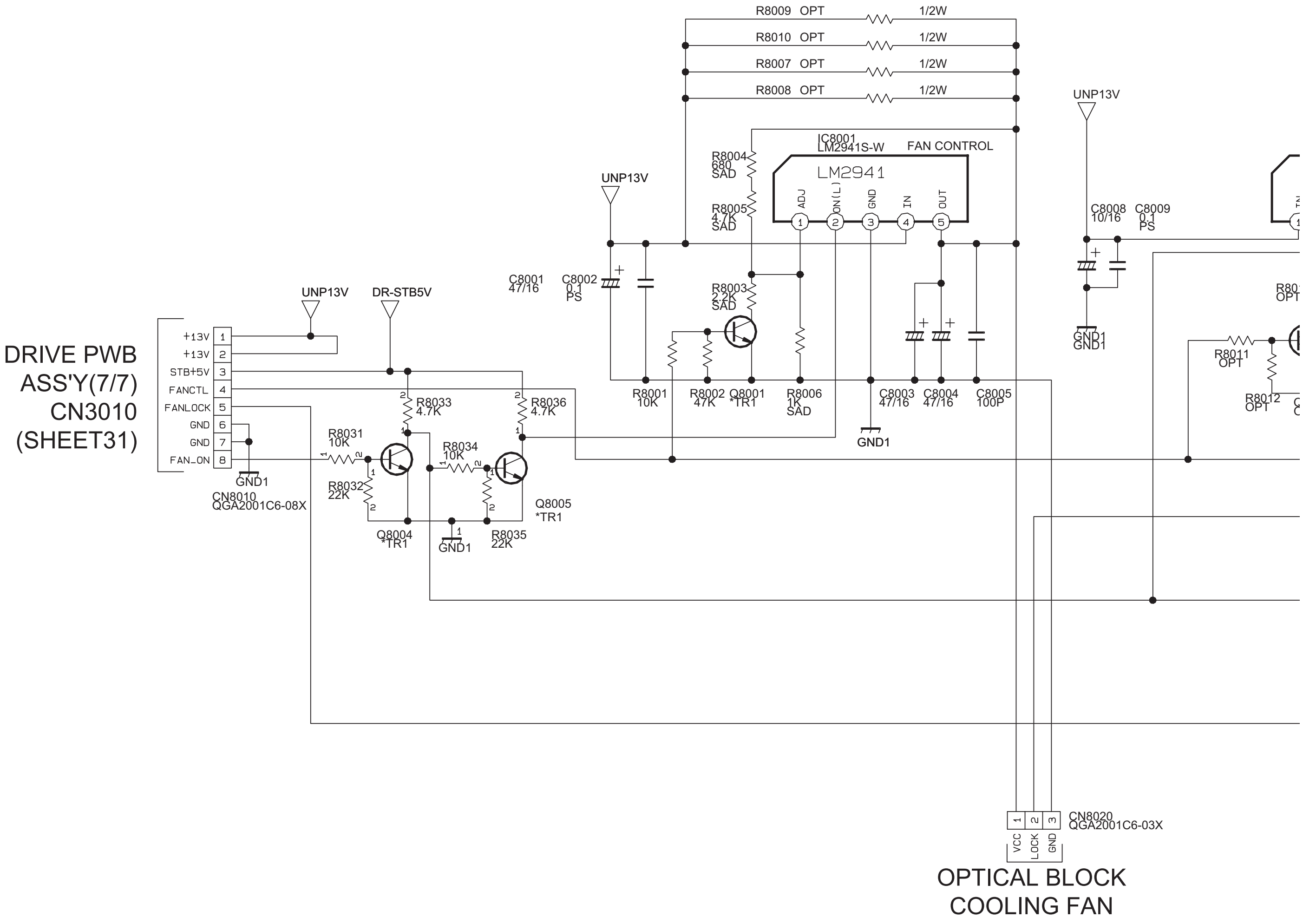
SIDE CONTROL PWB CIRCUIT DIAGRAM SHEET 40


CN08S1
QGA2001F2-12V
ANALOG PWB
ASS'Y(1/6)
CN1S1
(SHEET3)
GND 12
V4_S 11
V4_RIN 10
GND 9
V4_LIN 8
GND 7
V4_VIN 6
GND 5
V4_YIN 4
GND 3
V4_CIN 2
GND 1
V4_S
V4_RIN
V4_RIN_G
V4_LIN
V4_LIN_G
V4_VIN
V4_VIN_G
V4_YIN
V4_YCING
V4_CIN
GND1
R0841
OPEN
C0841
10 /50
D0841
OPEN
C0842
.01
B3
D0842
OPEN
C0843
10 /50
D0843
UDZS10B-X
D0844
UDZS10B-X
D0845
UDZS10B-X
R0847
33k
D0846
UDZS10B-X
SIDE CONTROL PWB ASS'Y
SRA0L011A-M2
CN08S2
QGA2001F1-03V
ANALOG PWB
ASS'Y(1/6)
CN1S2
(SHEET3)
GND 3
KEY2 2
KEY1 1
KEY2
KEY1
GND1
CN08S3
OPEN
OPEN
HP_L 1
HP_GND 2
HP_R 3
HP_DET 4
HP_L
HP_R
HP_DET
D0847
OPEN
D0848
OPEN
HP_GND
HP_GND
HP_GND
J0831 (QNS0051-001)
OPEN
3
1
2
L
R
5
7
DET
4
6
GND
8
9
J0841


J0841
*
6
5
R0842
75
4
3
2
1
R0843
75
J0841
*
S
INPUT-4
VIDEO
J0841
*
7
R0844
75
8
B2
C0844
1 /16
R0845
220k
R0849
0
9
11
10
L
J0841
*
B2
C0845
1 /16
R0846
220k
12
13
14
R
J0841
*
R0848
OPEN
S0851
QSW0619-003Z
ASPECT
S0852
QSW0619-003Z
CH +
S0853
QSW0619-003Z
CH −
R0851
5.6k
R0852
15k
S0854
QSW0619-003Z
VOL −
S0855
QSW0619-003Z
VOL +
S0856
QSW0619-003Z
INPUT
GND1
R0853
5.6k
R0854
15K

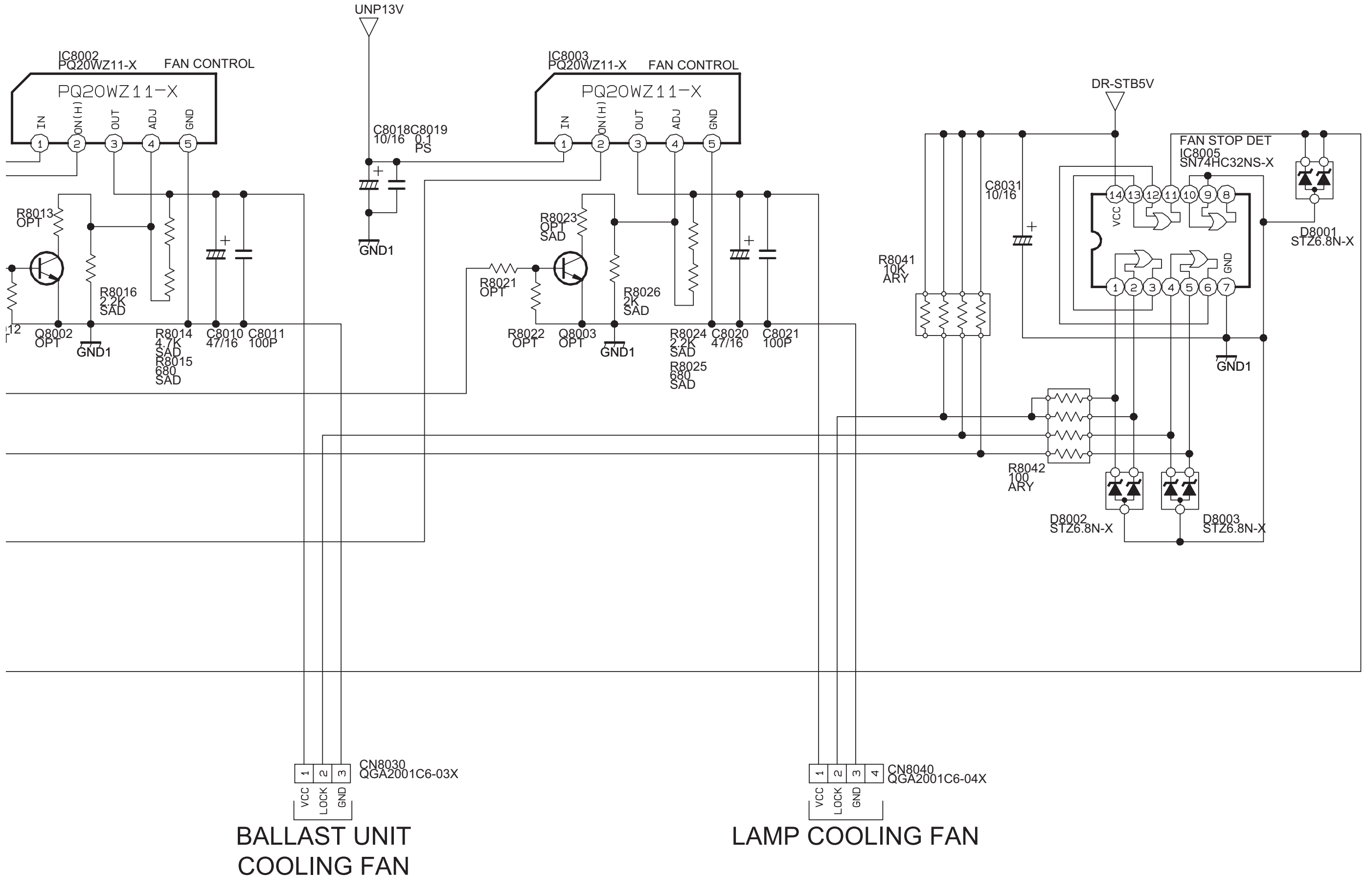
	HD-61G887A HD-56G887A HD-52G887A	HD-61G657A HD-56G657A HD-52G657A	HD-61G587A HD-52G587A	HD-61G567A HD-52G567A	HD-70FH97A HD-61FH97A HD-56FH97A HD-52FH97A	HD-70FN97A HD-61FN97A HD-56FN97A HD-52FN97A	HD-61FC97A HD-56FC97A	HD-56FM97A
	OLLC09901	OLLC09901			OL-CX2749			
0841	QNN0787 -001	QNN0787 -001	QNN0787 -001	QNN0787 -001	QNN0787 -002	QNN0787 -001	QNN0787 -001	QNN0787 -001

c30201001_0216_1/1_0.0

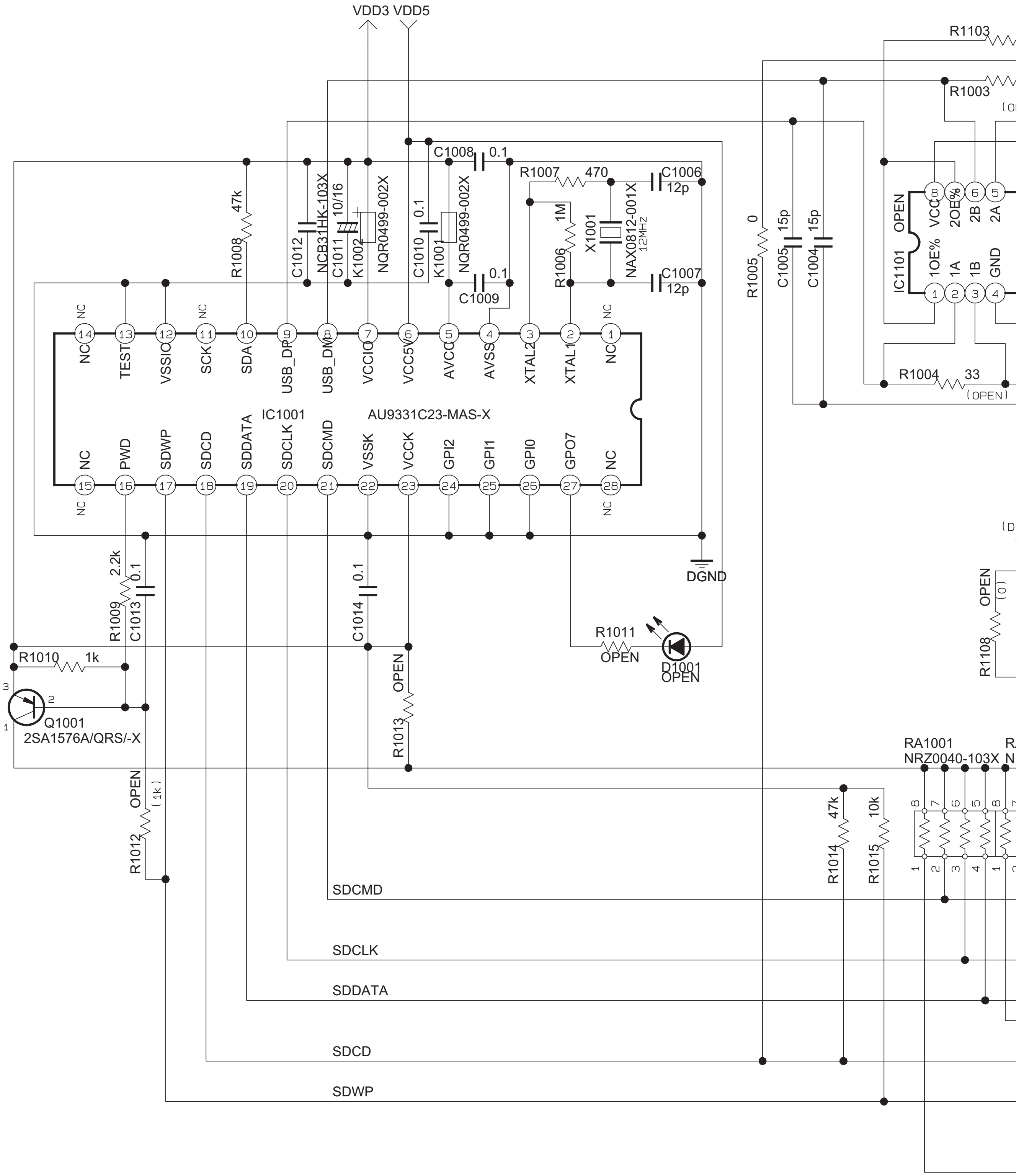

R8009 OPT 1/2W
R8010 OPT 1/2W
R8007 OPT 1/2W
R8008 OPT 1/2W
IC8001
LM2941S-W
FAN CONTROL
LM2941
ADJ
ON(L)
GND
IN
OUT
1
2
3
4
5
R8004
680
SAD
R8005
4.7K
SAD
R8003
2.2K
SAD
UNP13V
UNP13V
UNP13V
DR-STB5V
C8001
47/16
C8002
0.1
PS
C8008
10/16
C8009
0.1
PS
GND1
GND1
R8011
OPT
R8012
OPT
R8001
10K
R8002
47K
Q8001
*TR1
R8006
1K
SAD
C8003
47/16
C8004
47/16
C8005
100P
GND1
DRIVE PWB
ASS'Y(7/7)
CN3010
(SHEET31)
+13V
+13V
STB+5V
FANCTL
FANLOCK
GND
GND
FAN_ON
1
2
3
4
5
6
7
8
GND1
CN8010
QGA2001C6-08X
R8031
10K
R8032
22K
R8033
4.7K
R8034
10K
R8035
22K
R8036
4.7K
Q8004
*TR1
Q8005
*TR1
GND1
CN8020
QGA2001C6-03X
1
2
3
VCC
LOCK
GND
OPTICAL BLOCK
COOLING FAN

FAN PWB ASS'Y

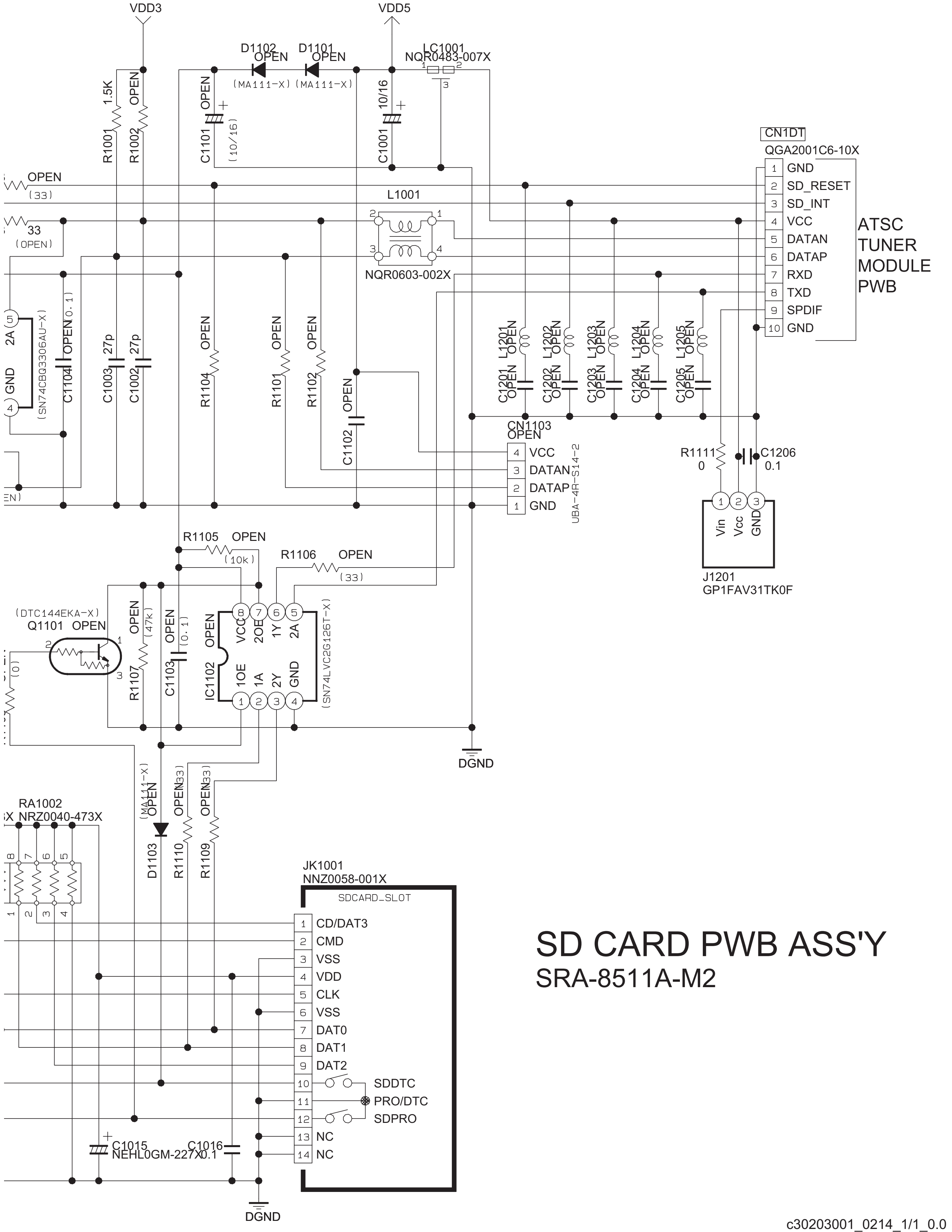
SRA-8401A-M2


UNP13V
IC8002
PQ20WZ11-X
FAN CONTROL
PQ20WZ11-X
IN
ON(H)
OUT
ADJ
GND
1
2
3
4
5
R8013
OPT
R8016
2.2K
SAD
Q8002
OPT
GND1
R8014
4.7K
SAD
R8015
680
SAD
C8010
47/16
C8011
100P
C8018
10/16
C8019
0.1
PS
GND1
IC8003
PQ20WZ11-X
FAN CONTROL
PQ20WZ11-X
R8023
OPT
SAD
R8021
OPT
R8022
OPT
Q8003
OPT
GND1
R8026
2K
SAD
R8024
2.2K
SAD
R8025
680
SAD
C8020
47/16
C8021
100P
DR-STB5V
FAN STOP DET
IC8005
SN74HC32NS-X
C8031
10/16
R8041
10K
ARY
VCC
GND
14
13
12
11
10
9
8
1
2
3
4
5
6
7
GND1
D8001
STZ6.8N-X
R8042
100
ARY
D8002
STZ6.8N-X
D8003
STZ6.8N-X
CN8030
QGA2001C6-03X
VCC
LOCK
GND
BALLAST UNIT
COOLING FAN
CN8040
QGA2001C6-04X
VCC
LOCK
GND
LAMP COOLING FAN

SD CARD PWB CIRCUIT DIAGRAM SHEET 42



VDD3 VDD5
R1103
R1003
C1008 0.1
R1007 470
C1006 12p
C1007 12p
C1009 0.1
47k
R1008
C1012
NCB31HK-103X
C1011 10/16
K1002
NQR0499-002X
C1010 0.1
K1001
NQR0499-002X
1M
R1006
X1001
NAX0812-001X
12MHz
R1005 0
C1005 15p
C1004 15p
IC1101
OPEN
VCC
2OE%
2B
2A
1OE%
1A
1B
GND
R1004 33
(OPEN)
IC1001
AU9331C23-MAS-X
NC
TEST
VSSIO
SCK
SDA
USB_DP
USB_DM
VCCIO
VCC5V
AVCC
AVSS
XTAL2
XTAL1
NC
PWD
SDWP
SDCD
SDDATA
SDCLK
SDCMD
VSSK
VCCK
GPI2
GPI1
GPI0
GPO7
DGND
2.2k
R1009
C1013 0.1
C1014 0.1
R1010 1k
Q1001
2SA1576A/QRS/-X
R1013 OPEN
R1011 OPEN
D1001 OPEN
R1108 OPEN (0)
RA1001
NRZ0040-103X
R1012 OPEN (1k)
R1014 47k
R1015 10k
SDCMD
SDCLK
SDDATA
SDCD
SDWP


VDD3
VDD5
D1102 OPEN (MA111-X)
D1101 OPEN (MA111-X)
LC1001 NQR0483-007X
1 2 3
R1001 1.5K
R1002 OPEN
C1101 OPEN (10/16)
C1001 10/16
OPEN (33)
33 (OPEN)
L1001
NQR0603-002X
CN1DT
QGA2001C6-10X
1 GND
2 SD_RESET
3 SD_INT
4 VCC
5 DATAN
6 DATAP
7 RXD
8 TXD
9 SPDIF
10 GND
ATSC TUNER MODULE PWB
2A
GND
(SN74CBQ3306AU-X)
C1104 OPEN (0.1)
C1003 27p
C1002 27p
R1104 OPEN
R1101 OPEN
R1102 OPEN
C1102 OPEN
L1201 OPEN
L1202 OPEN
L1203 OPEN
L1204 OPEN
L1205 OPEN
C1201 OPEN
C1202 OPEN
C1203 OPEN
C1204 OPEN
C1205 OPEN
CN1103 OPEN
4 VCC
3 DATAN
2 DATAP
1 GND
UBA-4R-S14-2
R1111 0
C1206 0.1
Vin Vcc GND
J1201
GP1FAV31TK0F
R1105 OPEN (10k)
R1106 OPEN (33)
(DTC144EKA-X)
Q1101 OPEN
(0)
R1107 OPEN (47k)
C1103 OPEN (0.1)
IC1102 OPEN
VCC 2OE 1Y 2A
1OE 1A 2Y GND
(SN74LVC2G126T-X)
DGND
RA1002
NRZ0040-473X
D1103 OPEN (MA111-X)
R1110 OPEN (33)
R1109 OPEN (33)
JK1001
NNZ0058-001X
SDCARD_SLOT
1 CD/DAT3
2 CMD
3 VSS
4 VDD
5 CLK
6 VSS
7 DAT0
8 DAT1
9 DAT2
10 SDDTC
11 PRO/DTC
12 SDPRO
13 NC
14 NC
C1015 NEHL0GM-227X
C1016 0.1
DGND

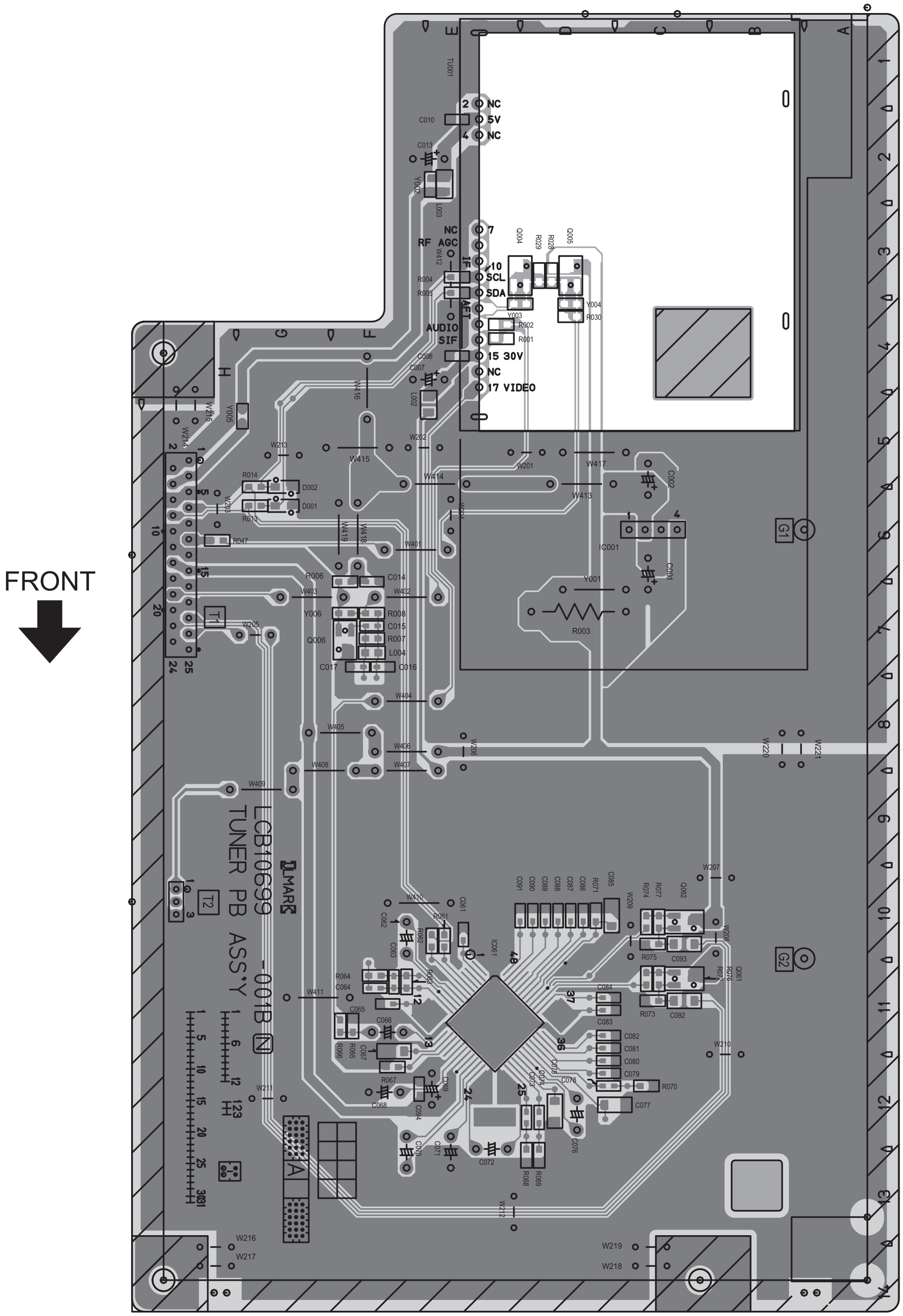
SD CARD PWB ASS'Y

SRA-8511A-M2

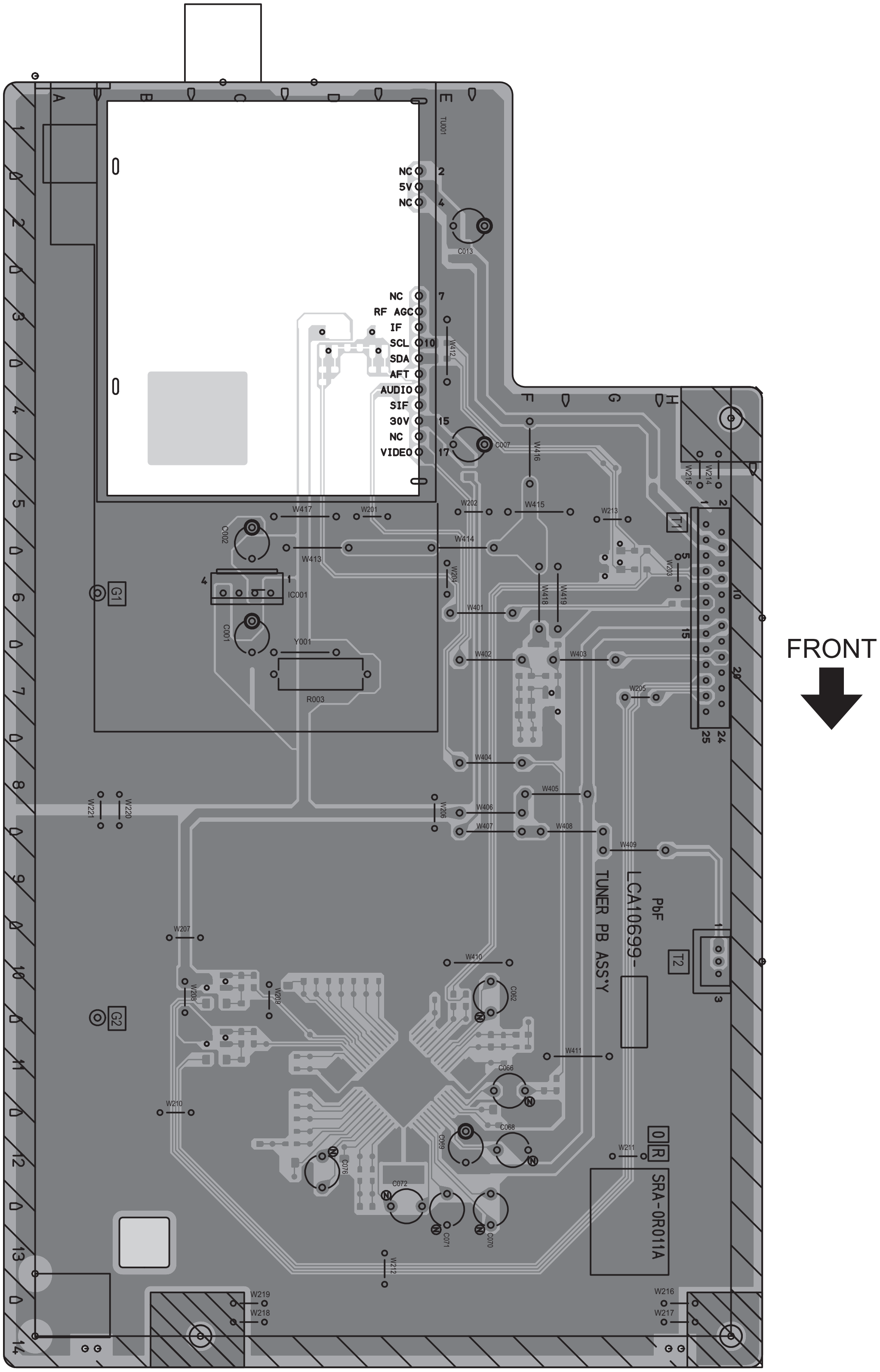
c30203001_0214_1/1_0.0

PATTERN DIAGRAMS

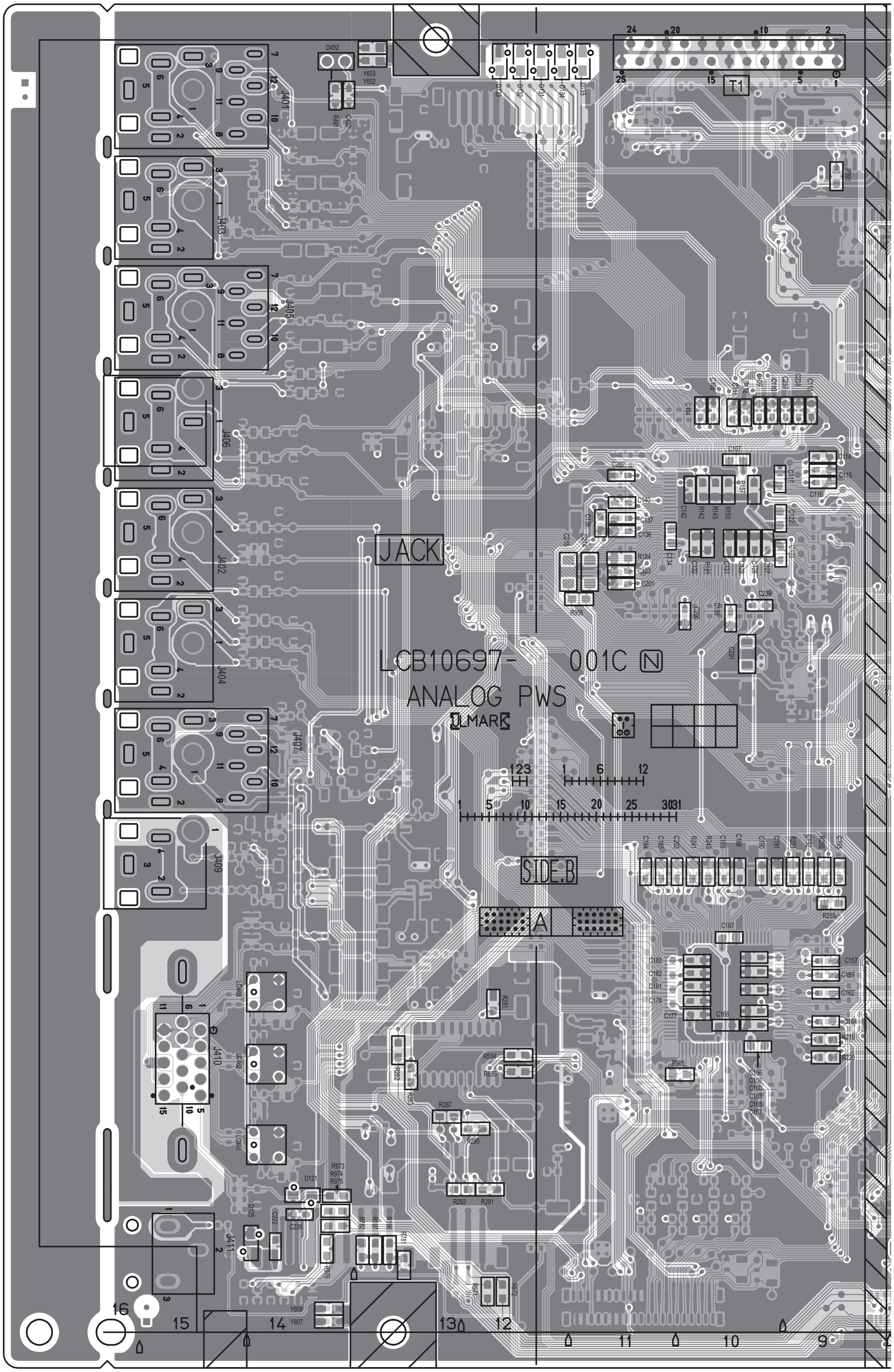
TUNER PWB PATTERN [SOLDER SIDE]

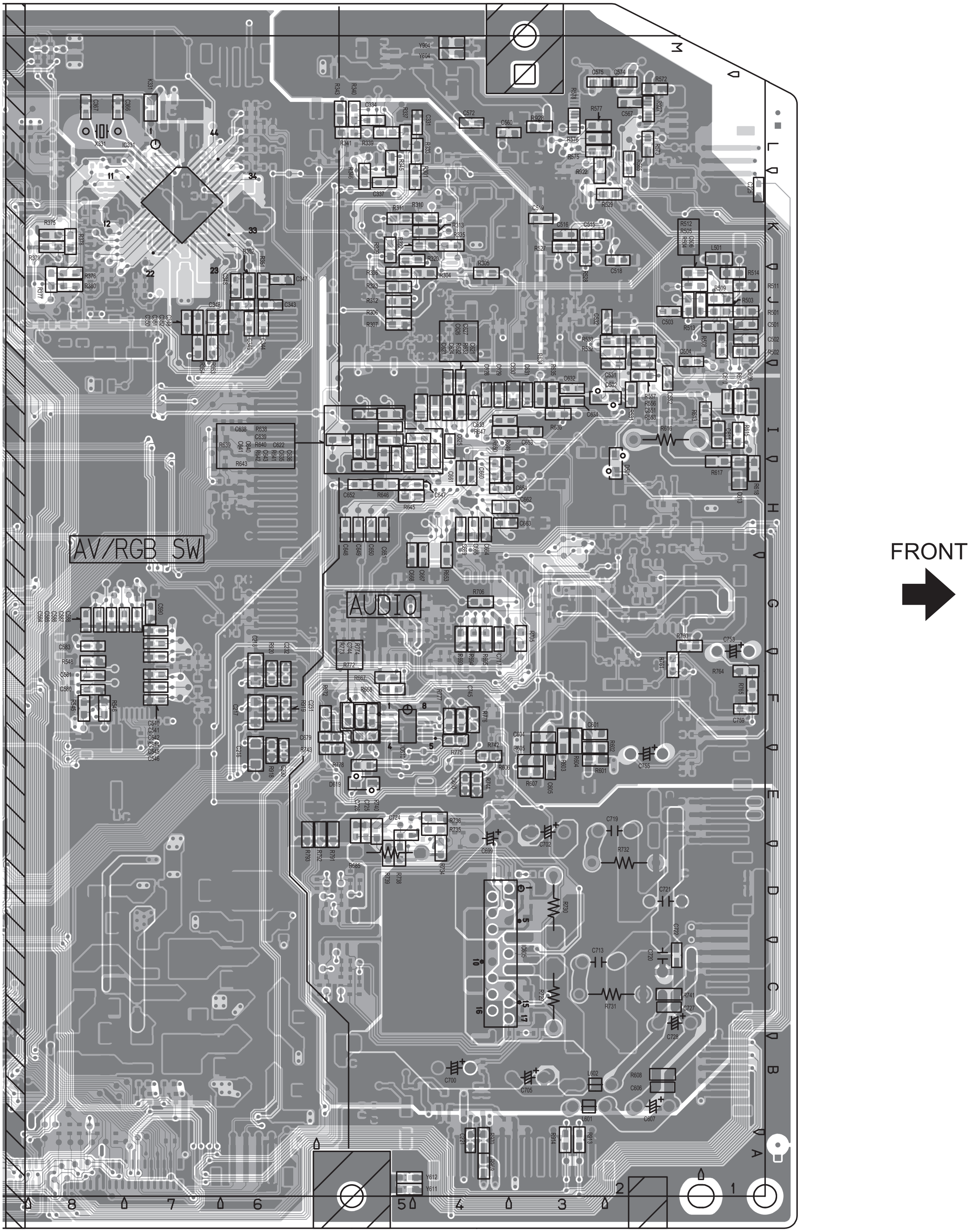

FRONT
TU001
2 NC
5V
4 NC
7 NC
RF AGC
IF
10
SCL
SDA
AFT
AUDIO
SIF
15 30V
NC
17 VIDEO
C010
C013
Y002
L003
R004
R005
W412
Q004
Q005
R029
R028
Y003
Y004
R030
R002
R001
C006
C007
L002
W416
Y005
W216
W214
W213
W215
W415
W202
W201
W417
W414
W413
R014
D002
D001
W200
R013
R047
W419
W418
W401
C002
IC001
C001
Y001
R003
R006
C014
W403
W402
Y006
R008
C015
R007
Q006
L004
C017
C016
W205
T1
2
5
10
15
20
24
25
W404
W405
W406
W408
W407
W206
W409
W220
W221
G1
G2
LCB10699 -001B
TUNER PB ASS'Y
T2
W410
C061
C062
R061
R062
C063
IC061
48
37
36
13
12
24
25
R064
C064
W411
C065
C066
R065
R066
C067
R067
C068
C069
C084
C070
C071
C072
C073
C074
C075
C076
C077
C078
C079
C080
C081
C082
C083
C084
C085
C086
C087
C088
C089
C090
C091
C092
C093
R068
R069
R070
R071
R072
R073
R074
R075
R076
R077
Q061
Q062
W207
W208
W209
W210
W211
W212
W216
W217
W218
W219
A
B
C
D
E
F
G
H
1
2
3
4
5
6
7
8
9
10
11
12
13
14

TUNER PWB PATTERN [PARTS SIDE]


A
B
C
D
E
F
G
H
TU001
NC
5V
NC
NC
RF AGC
IF
SCL
SDA
AFT
AUDIO
SIF
30V
NC
VIDEO
2
4
7
10
15
17
C013
C007
C002
C001
IC001
Y001
R003
G1
G2
T1
T2
W201
W202
W203
W204
W205
W206
W207
W208
W209
W210
W211
W212
W213
W214
W215
W216
W217
W218
W219
W220
W221
W401
W402
W403
W404
W405
W406
W407
W408
W409
W410
W411
W412
W413
W414
W415
W416
W417
W418
W419
C062
C066
C068
C069
C070
C071
C072
C076
PbF
LCA10699-
TUNER PB ASS'Y
SRA-0R011A
0
R
FRONT
1
5
20
24
25
3
1
2
3
4
5
6
7
8
9
10
11
12
13
14

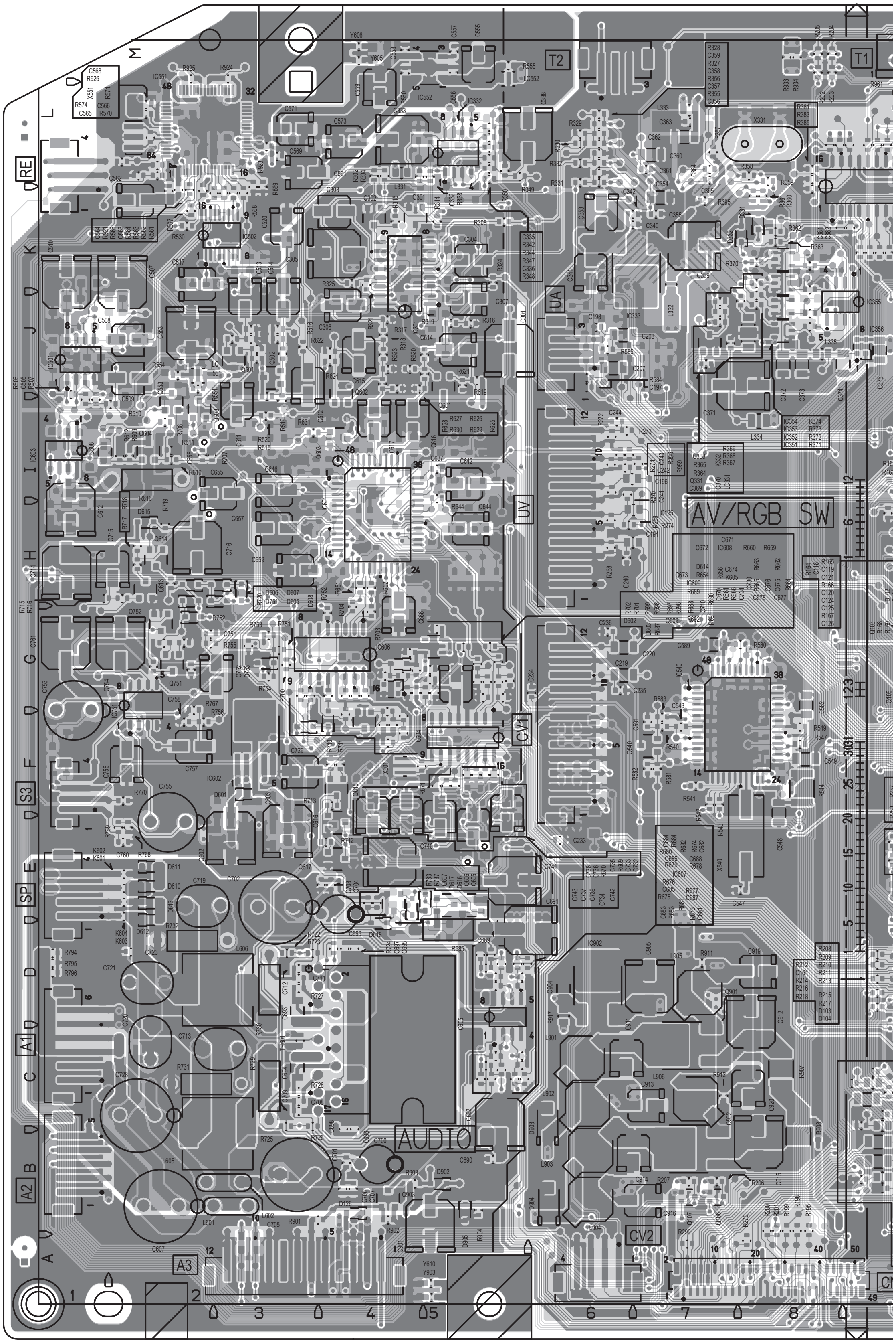
ANALOG PWB PATTERN [SOLDER SIDE]

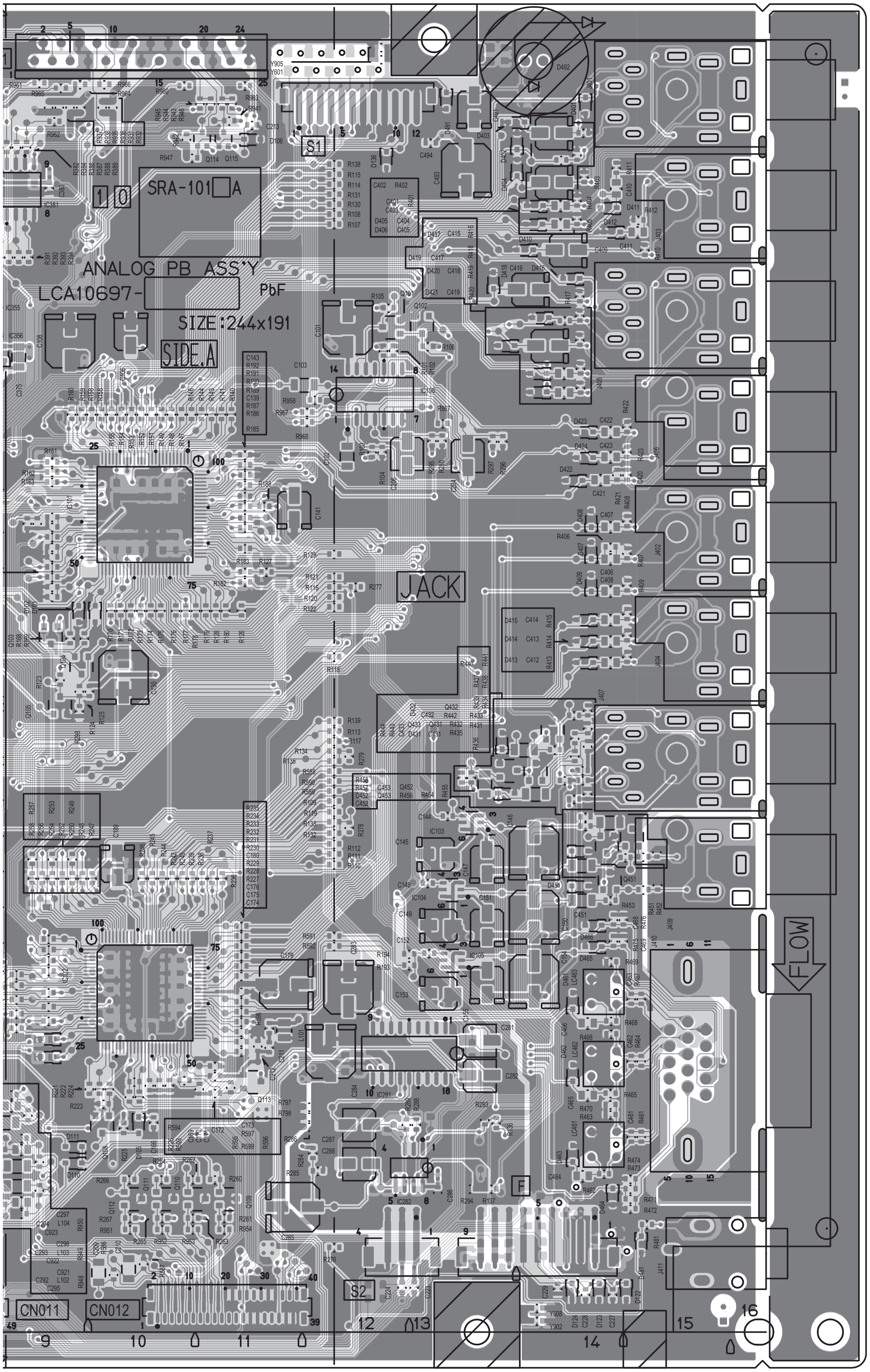

J401
J403
J405
J406
J402
J404
J407
J409
J410
J411
D492
Y603
Y602
R491
C492
T1
24
20
10
2
25
15
5
1
JACK
LCB10697- 001C N
ANALOG PWS
LMARK
SIDE.B
A
123
1
6
12
5
10
15
20
25
3031
C107
C114
C115
C116
C187
C157
C159
C162
R259
R287
R290
R292
R291
R534
R535
R905
R956
C226
C227
D121
R973
R974
R975
Y609
Y607
16
15
14
13
12
11
10
9


AV/RGB SW
AUDIO
FRONT
IC331
X331
IC005
M
L
K
J
I
H
G
F
E
D
C
B
A
8
7
6
5
4
3
2
1

ANALOG PWB PATTERN [PARTS SIDE]

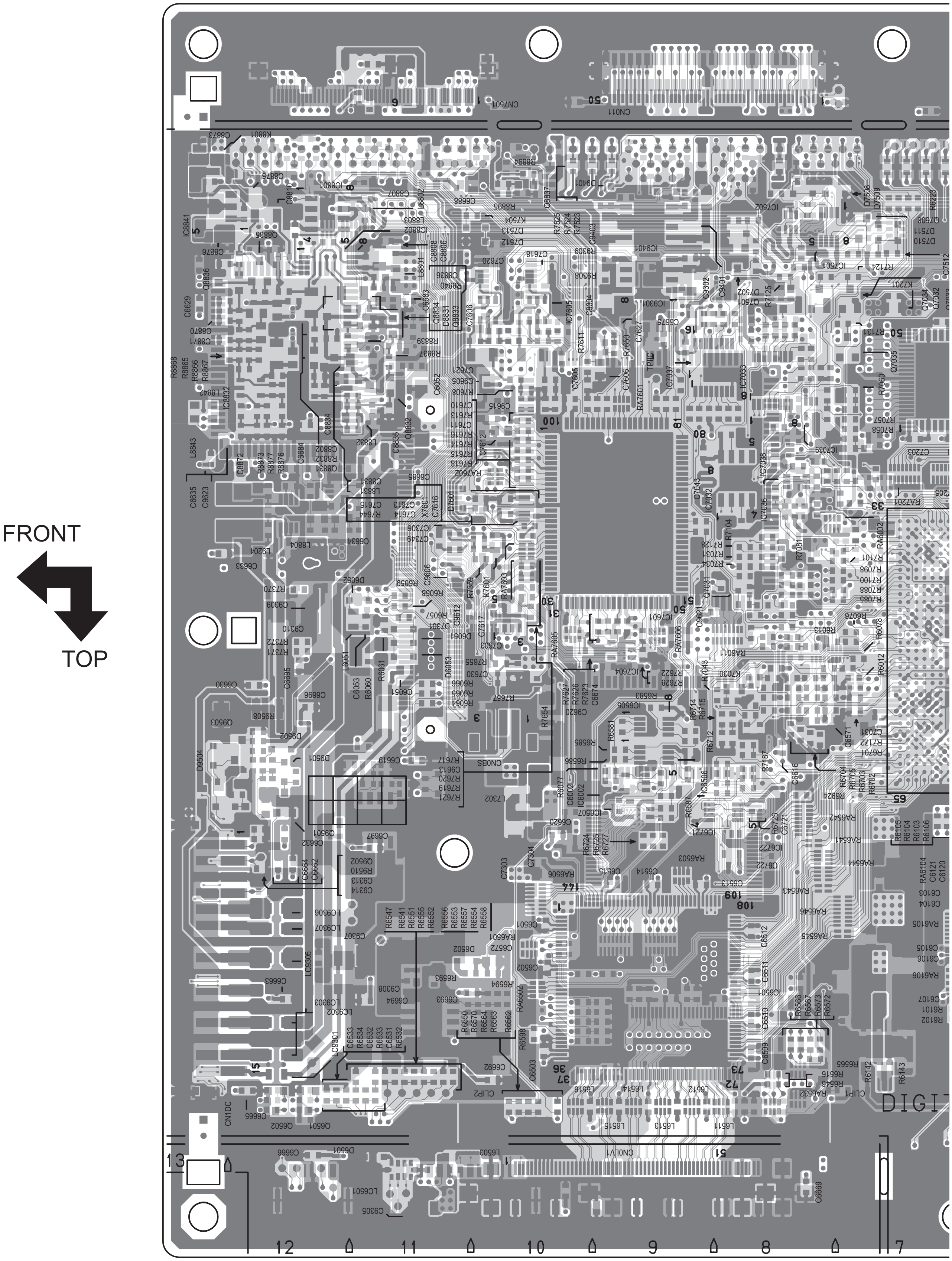
FRONT

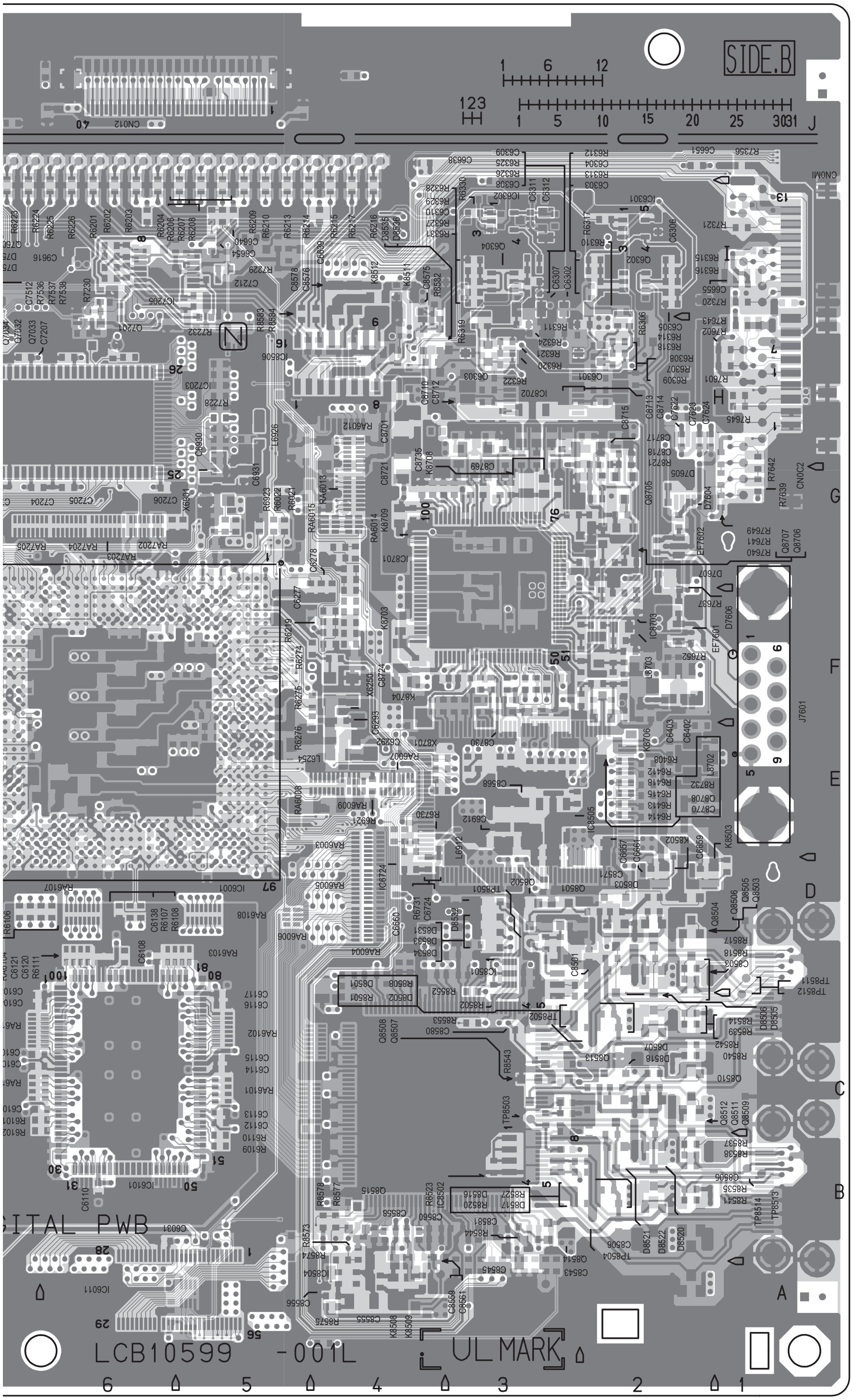

AV/RGB SW
AUDIO
T1
T2
UA
UV
CV1
CV2
RE
S3
SP
A1
A2
A3
CN
IC551
IC552
IC332
IC333
IC355
IC356
IC608
IC609
IC602
IC601
IC501
IC502
IC540
IC902
IC605
IC331
X331
X551
X540
Y606
Y605
Y610
Y903
L333
L331
L332
L334
L601
L602
L605
L606
L901
L902
L903
L905
L906
Q331
Q751
Q752
Q614
Q617
Q700
Q901
Q903
D902
D602
D610
D611
D612
D613
D615
D691
M
L
K
J
I
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8



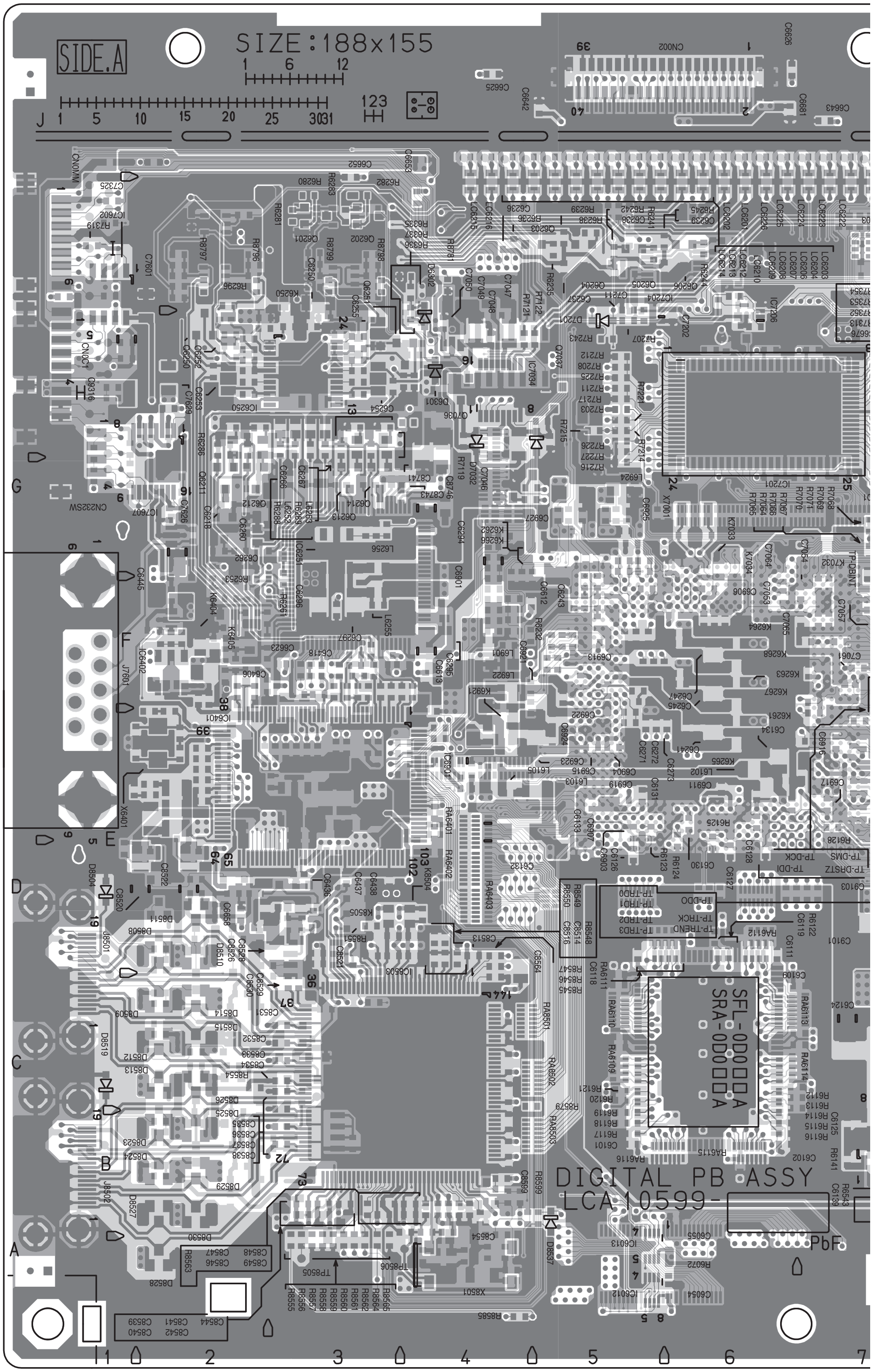
SRA-101□A
1 0
ANALOG PB ASS'Y
LCA10697-
PbF
SIZE:244x191
SIDE.A
S1
JACK
FLOW
F
S2
CN011
CN012
9
10
11
12
13
14
15
16

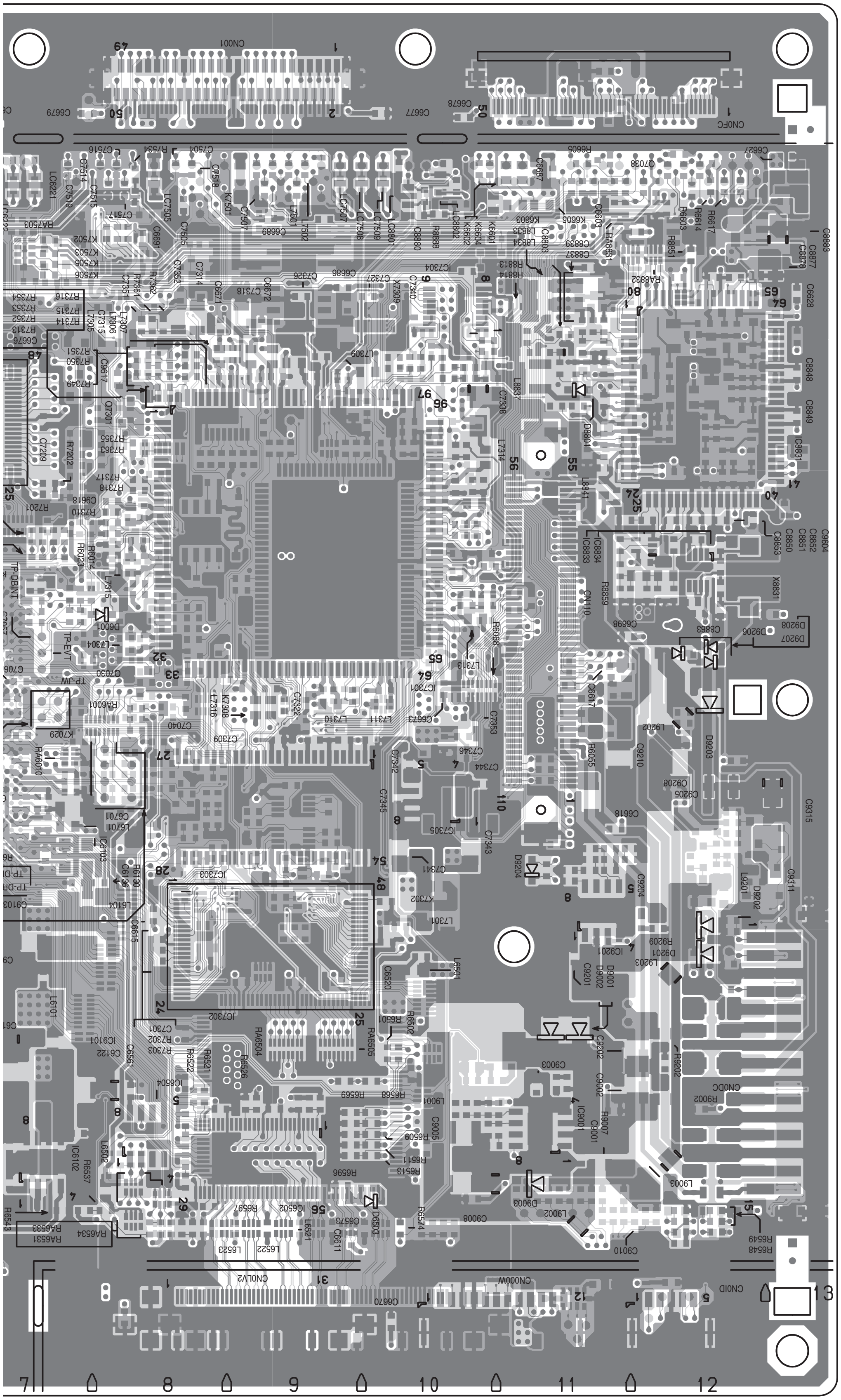
DIGITAL PWB PATTERN [SOLDER SIDE]

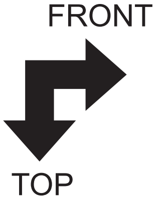

FRONT
TOP
DIGIT
12
11
10
9
8
7
13


SIDE.B
LCB10599 -001L
UL MARK
DIGITAL PWB
IC6001
IC6101
IC8701
IC8501
IC8502
IC8504
IC8702
IC8703
IC8506
IC8505
IC7203
IC7205
IC6301
IC6302
IC6011
J7601
CN012
CN0C2
CN0M1
A
B
C
D
E
F
G
H
J
1
2
3
4
5
6

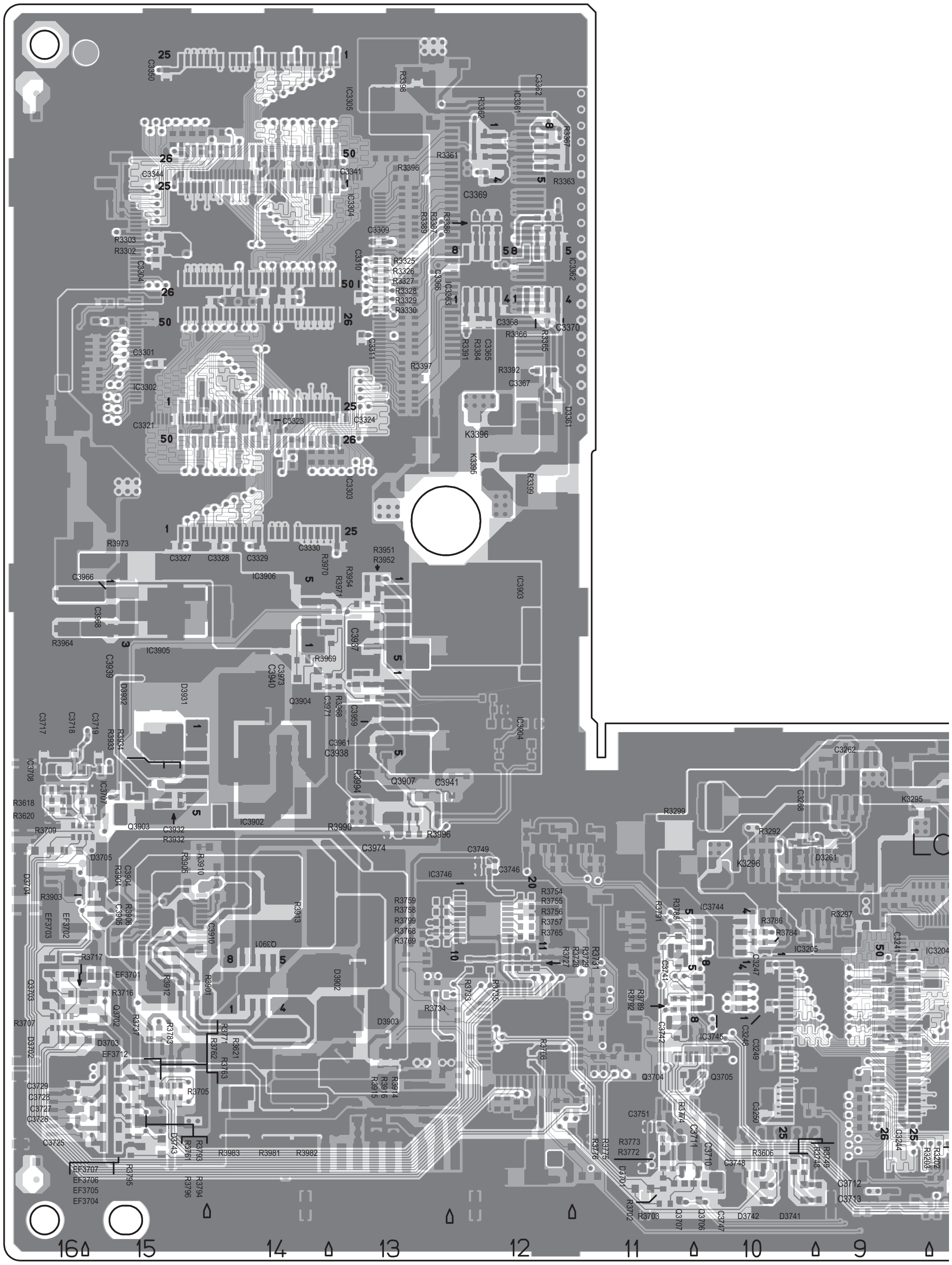
DIGITAL PWB PATTERN [PARTS SIDE]

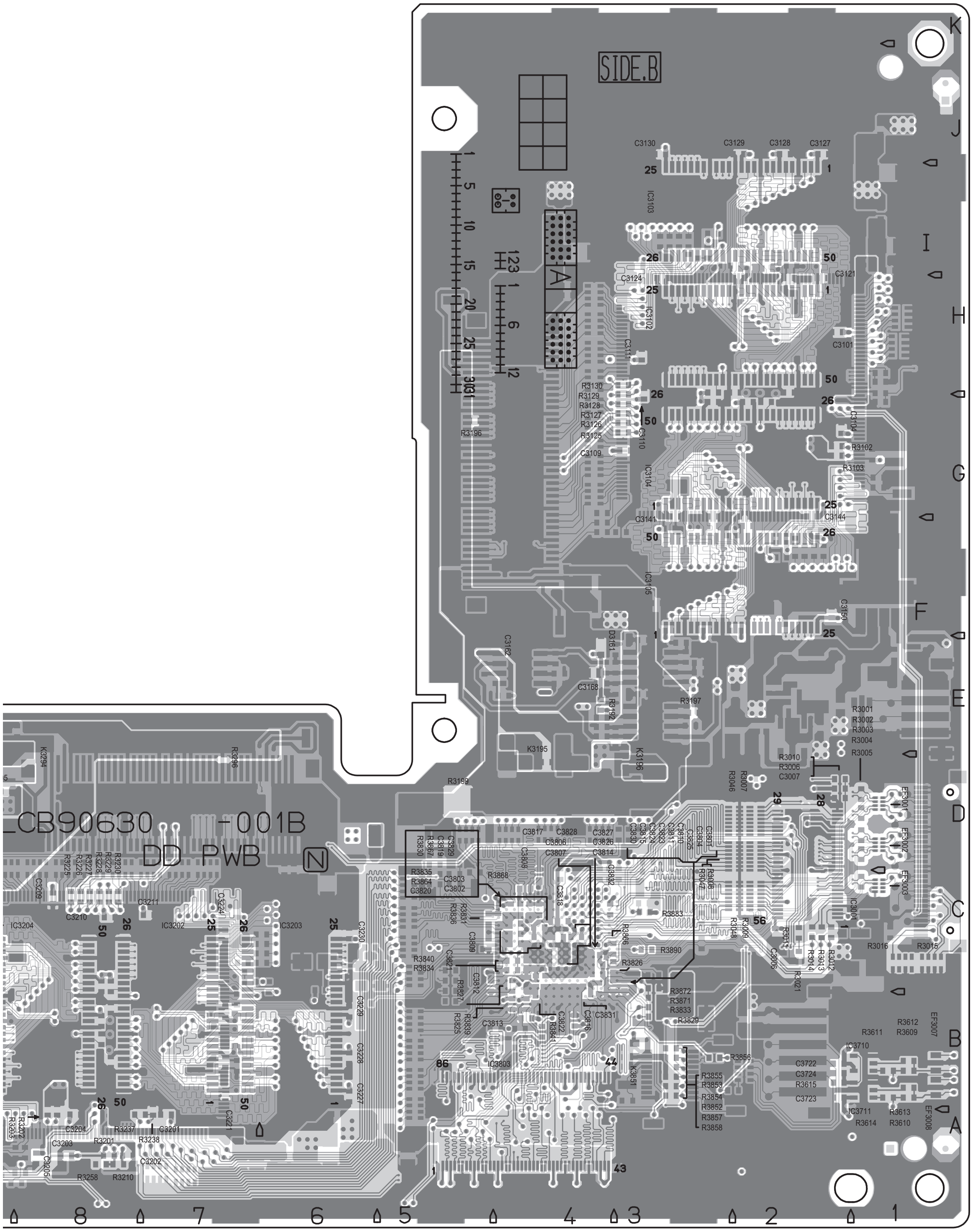

SIDE.A
SIZE:188x155
1 6 12
J 1 5 10 15 20 25 3031
123
CN002
DIGITAL PB ASSY
LCA10599-
PbF
SFL-0D0□□A
SRA-0D0□□A
IC7201
IC8501
IC6401
IC6250
J7601
X6401
X7001
X8501
CN7601
CN3225W
TP-DBINT
TP-DMS
TP-DCK
TP-DRST2
TP-DDI
TP-DDO
TP-TRD0
TP-TRD1
TP-TRD2
TP-TRD3
TP-TRCK
TP-TREND
TP8505
TP8506
J8501
J8502
DIGITAL PB ASSY
I
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7


CN001
CN0FC
CN0DC
CN0LV2
CN00W
CN0ID
IC7301
IC7302
IC7303
IC8831
IC9001
IC9201
IC6502
IC6504
IC6102
IC6103
IC9101
CN110
7
8
9
10
11
12
13

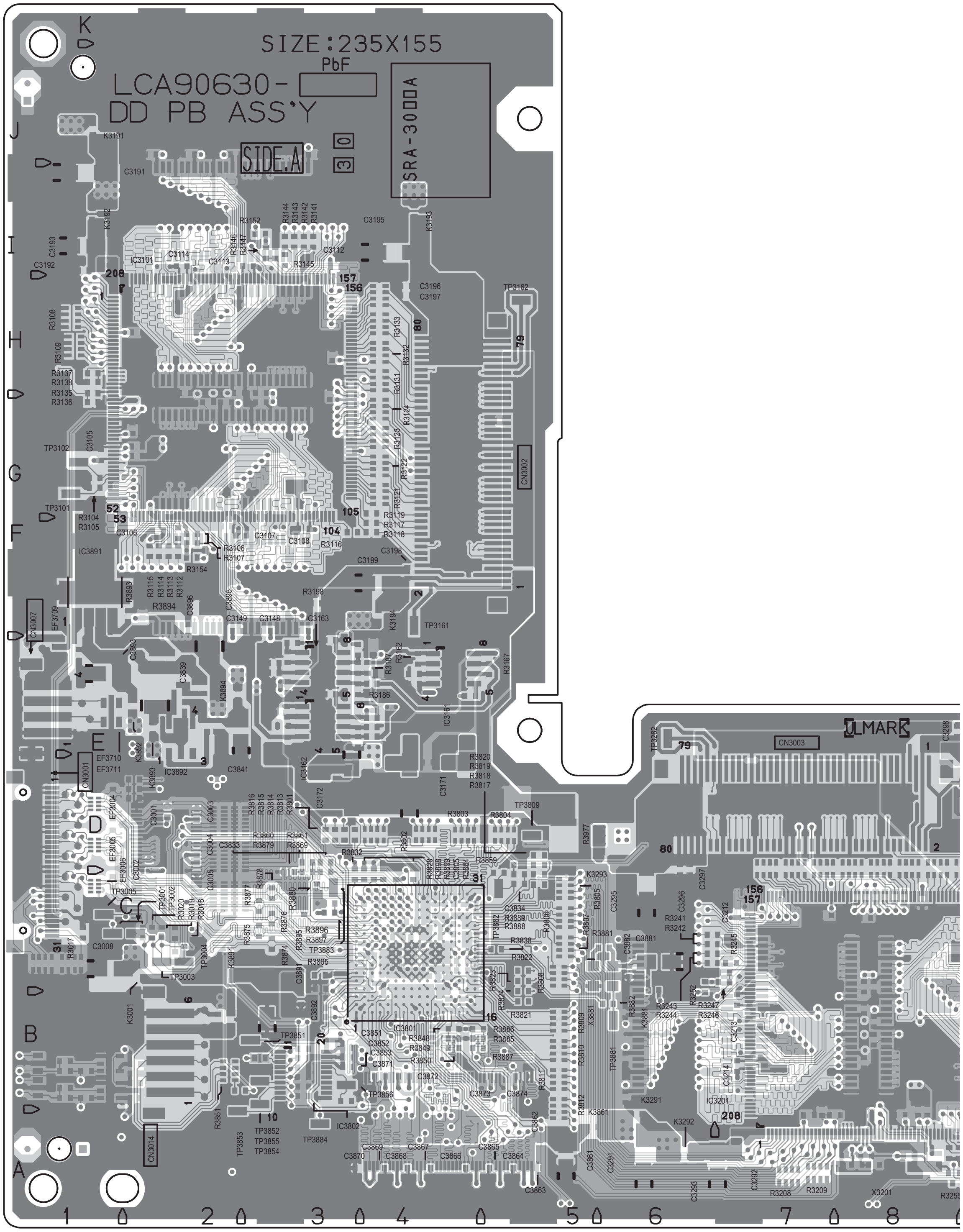

FRONT
TOP

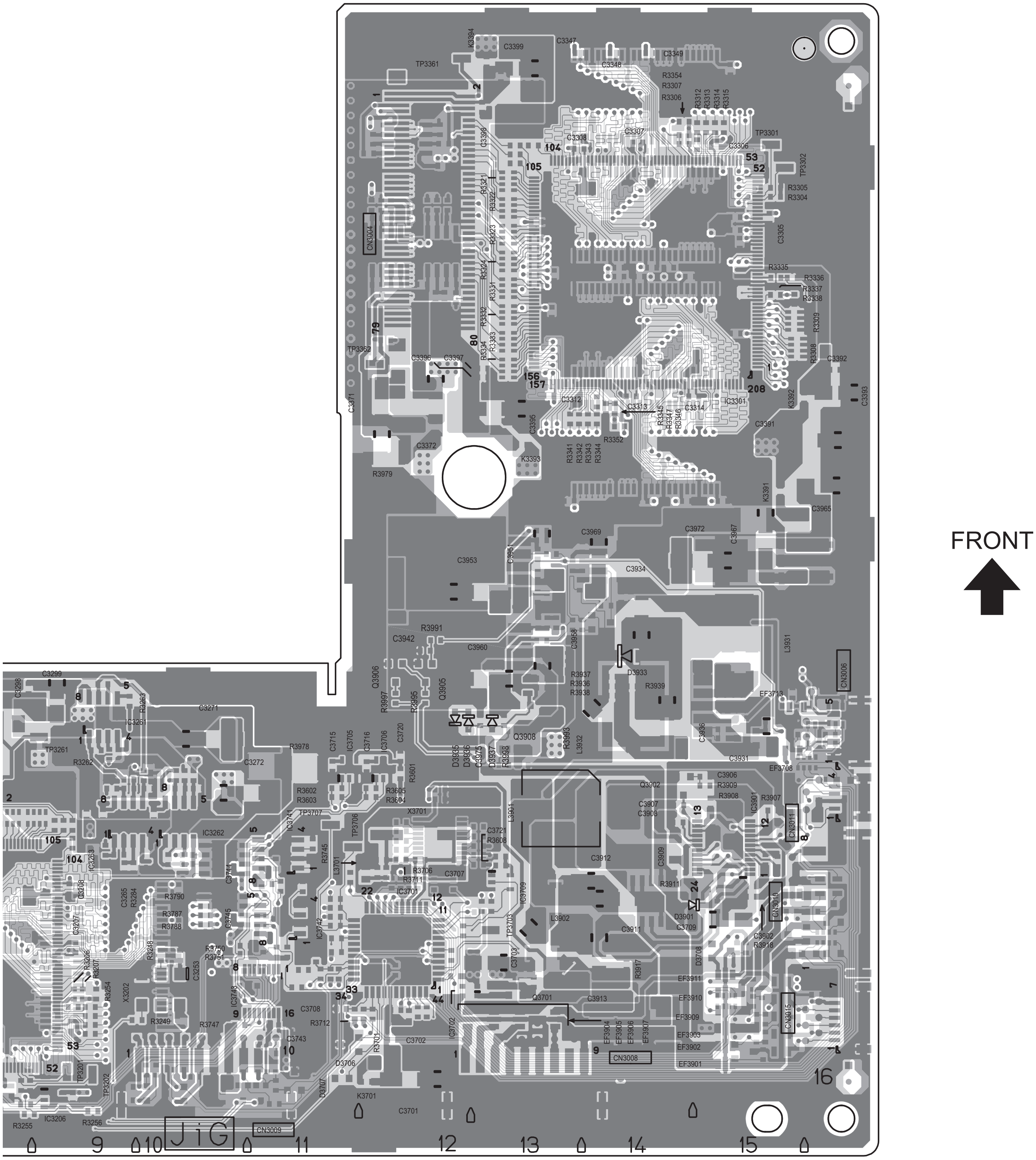
FRONT


IC3305
IC3304
IC3302
IC3361
IC3363
IC3906
IC3905
IC3903
IC3904
IC3902
IC3901
IC3708
IC3746
IC3744
IC3745
IC3205
IC3204
K3396
K3395
K3296
K3295
C3350
C3344
C3341
C3301
C3321
C3323
C3324
C3327
C3328
C3329
C3330
C3369
C3370
R3303
R3302
R3361
R3363
R3386
R3397
R3399
R3973
R3964
C3966
C3968
C3939
C3940
D3901
D3902
Q3903
Q3904
Q3907
C3941
R3990
R3996
C3974
C3749
C3746
D3903
D3705
D3261
R3299
R3292
R3297
C3262
Q3704
Q3705
C3751
C3711
C3748
C3712
C3713
D3742
D3741
EF3707
EF3706
EF3705
EF3704
R3983
R3981
R3982
16
15
14
13
12
11
10
9

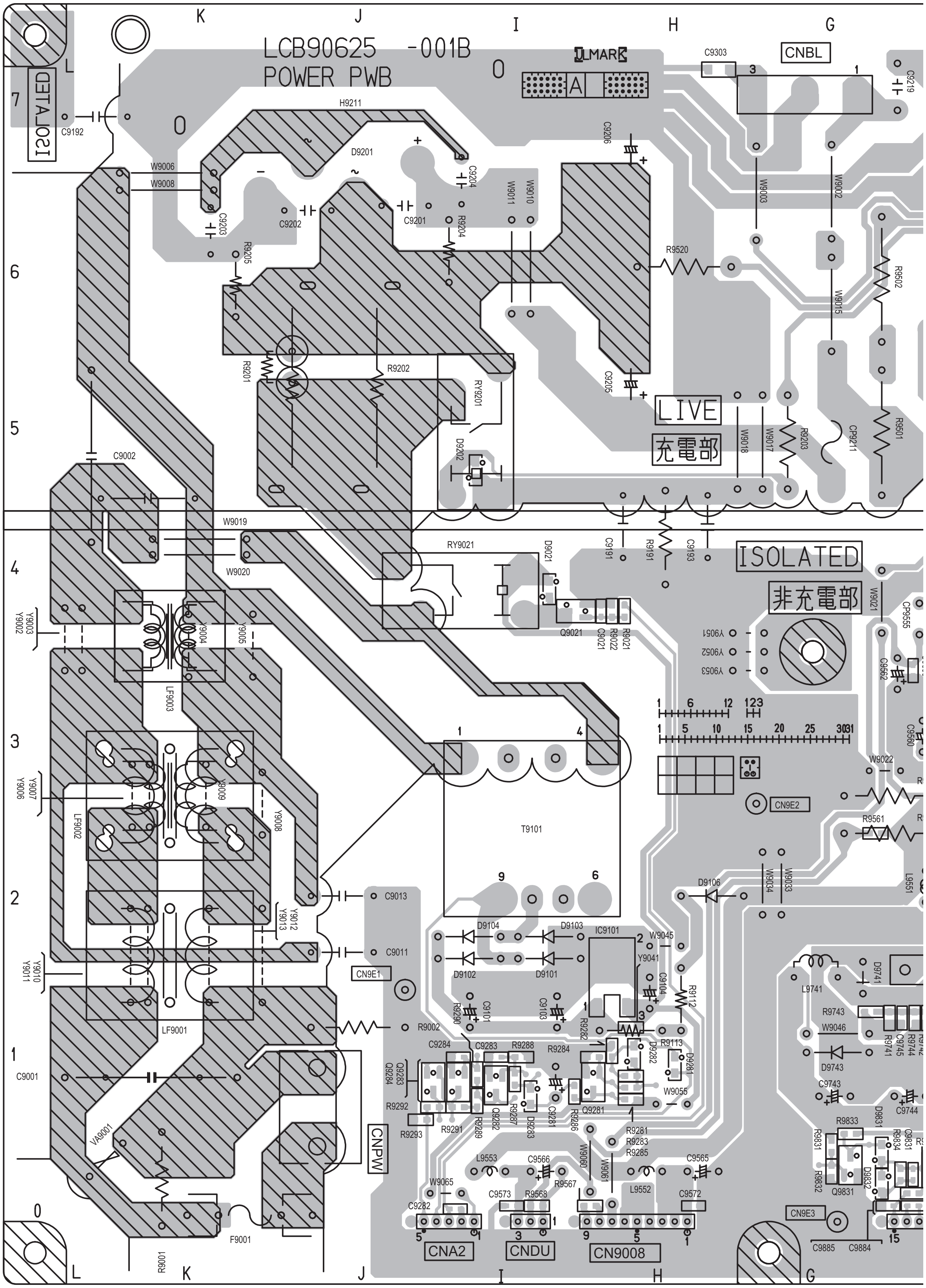

SIDE.B
LCB90630 -001B
DD PWB
N
K
J
I
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
IC3103
IC3104
IC3001
IC3202
IC3204
IC3803
IC3710
IC3711
C3130
C3129
C3128
C3127
C3124
C3121
C3102
C3101
C3111
C3110
C3109
C3104
C3141
C3144
C3105
C3150
C3162
C3168
R3130
R3129
R3128
R3127
R3126
R3125
R3196
R3102
R3103
R3197
R3192
R3199
R3296
D3161
K3195
K3196
K3294
R3001
R3002
R3003
R3004
R3005
R3010
R3006
C3007
R3046
R3007
R3016
R3015
EF3001
EF3002
EF3003
EF3007
EF3008
R3611
R3612
R3609
C3722
C3724
R3615
C3723
R3613
R3614
R3610
R3883
R3890
R3826
R3872
R3871
R3833
R3829
R3856
R3855
R3853
R3854
R3852
R3857
R3858
R3840
R3834
R3835
R3864
C3820
C3803
C3802
R3868
C3817
C3828
C3806
C3827
C3826
C3807
C3814
C3813
C3831
C3203
C3210
C3211
C3204
C3201
C3202
C3205
C3209
R3201
R3237
R3238
R3258
R3210
25
26
50
1
29
28
56
86
44
43

DRIVE PWB PATTERN [PARTS SIDE]


SIZE:235X155
PbF
LCA90630-
DD PB ASS'Y
SIDE.A
3 0
SRA-300□□A
ULMARK
K
J
I
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
IC3101
IC3161
IC3162
IC3801
IC3802
IC3891
IC3892
IC3201
CN3001
CN3002
CN3003
CN3007
CN3014
TP3101
TP3102
TP3161
TP3162
TP3809
TP3851
TP3884
X3201
X3881
K3191
K3291
K3292
K3293
K3861
K3881


FRONT
K3394
C3399
C3347
TP3361
C3348
C3349
R3354
R3307
R3306
R3312
R3313
R3314
R3315
C3307
C3308
104
C3306
TP3301
105
53
52
TP3302
R3305
R3304
C3305
CN3004
R3321
R3322
R3323
R3324
R3331
R3332
R3333
R3334
R3335
R3336
R3337
R3338
R3309
R3308
C3392
79
80
TP3362
C3396
C3397
156
157
208
C3371
C3312
C3313
C3314
IC3301
R3345
R3347
R3346
C3395
C3391
R3352
R3341
R3342
R3343
R3344
C3372
K3393
R3979
K3391
C3965
C3969
C3972
C3967
C3953
C3951
C3934
R3991
C3942
C3960
C3958
L3931
D3933
R3937
R3936
R3938
R3939
CN3006
EF3713
Q3906
Q3905
R3997
R3995
D3935
D3936
C3975
D3937
R3998
Q3908
R3993
L3932
C3936
C3931
EF3708
C3299
C3298
C3271
R3263
IC3261
TP3261
R3262
C3272
R3978
C3715
IC3705
C3716
C3706
C3720
R3601
R3602
R3603
R3605
R3604
TP3707
X3701
IC3262
105
104
C3208
C3207
C3265
R3284
R3790
R3787
R3788
C3744
C3745
IC3711
TP3706
R3745
L3701
C3721
R3608
R3706
C3707
R3711
IC3701
22
12
11
IC3742
C3709
TP3703
L3901
Q3902
C3906
R3909
R3908
IC3901
R3907
C3807
C3909
CN3011
C3912
C3909
R3911
D3901
C3709
L3902
C3911
CN3010
C3902
R3918
D3708
R3917
R3248
R3206
R3207
R3254
C3253
R3750
R3751
X3202
IC3743
C3708
R3712
33
34
44
C3703
Q3701
C3913
EF3911
EF3910
EF3909
EF3903
EF3902
EF3901
CN3015
R3249
R3747
C3743
C3702
R3701
EF3904
EF3905
EF3906
EF3907
CN3008
53
52
TP3201
TP3202
D3706
D3707
K3701
C3701
16
R3255
IC3206
R3256
JiG
CN3009
9
10
11
12
13
14
15

POWER PWB PATTERN [SOLDER SIDE]



LCB90625 -001B
POWER PWB
K
J
I
H
G
L
7
6
5
4
3
2
1
0
ISOLATED
LIVE
充電部
ISOLATED
非充電部
CNBL
C9303
C9219
C9192
H9211
D9201
C9204
C9206
W9006
W9008
C9203
C9202
C9201
R9204
W9011
W9010
W9003
W9002
R9205
R9520
R9502
W9015
R9201
R9202
RY9201
C9205
D9202
W9018
W9017
R9203
CP9211
R9501
C9002
W9019
W9020
RY9021
D9021
C9191
R9191
C9193
Q9021
C9021
R9022
R9021
W9021
CP9555
Y9061
Y9062
Y9063
C9562
Y9003
Y9002
Y9004
Y9005
LF9003
C9560
W9022
CN9E2
R9561
T9101
Y9007
Y9006
Y9009
Y9008
LF9002
W9034
W9033
L9551
D9106
C9013
Y9012
Y9013
D9104
D9103
IC9101
W9045
Y9041
C9011
D9102
D9101
C9104
R9112
D9741
L9741
Y9010
Y9011
CN9E1
C9101
C9103
R9290
R9282
R9743
W9046
LF9001
R9002
C9284
C9283
R9288
R9284
R9113
D9282
D9281
R9741
C9745
C9744
D9743
C9001
Q9283
Q9284
C9743
R9292
Q9282
R9287
D9283
C9281
R9286
Q9281
W9055
C9744
D9831
VA9001
CNPW
R9293
R9291
R9289
R9281
R9283
R9285
R9833
R9831
R9834
Q9831
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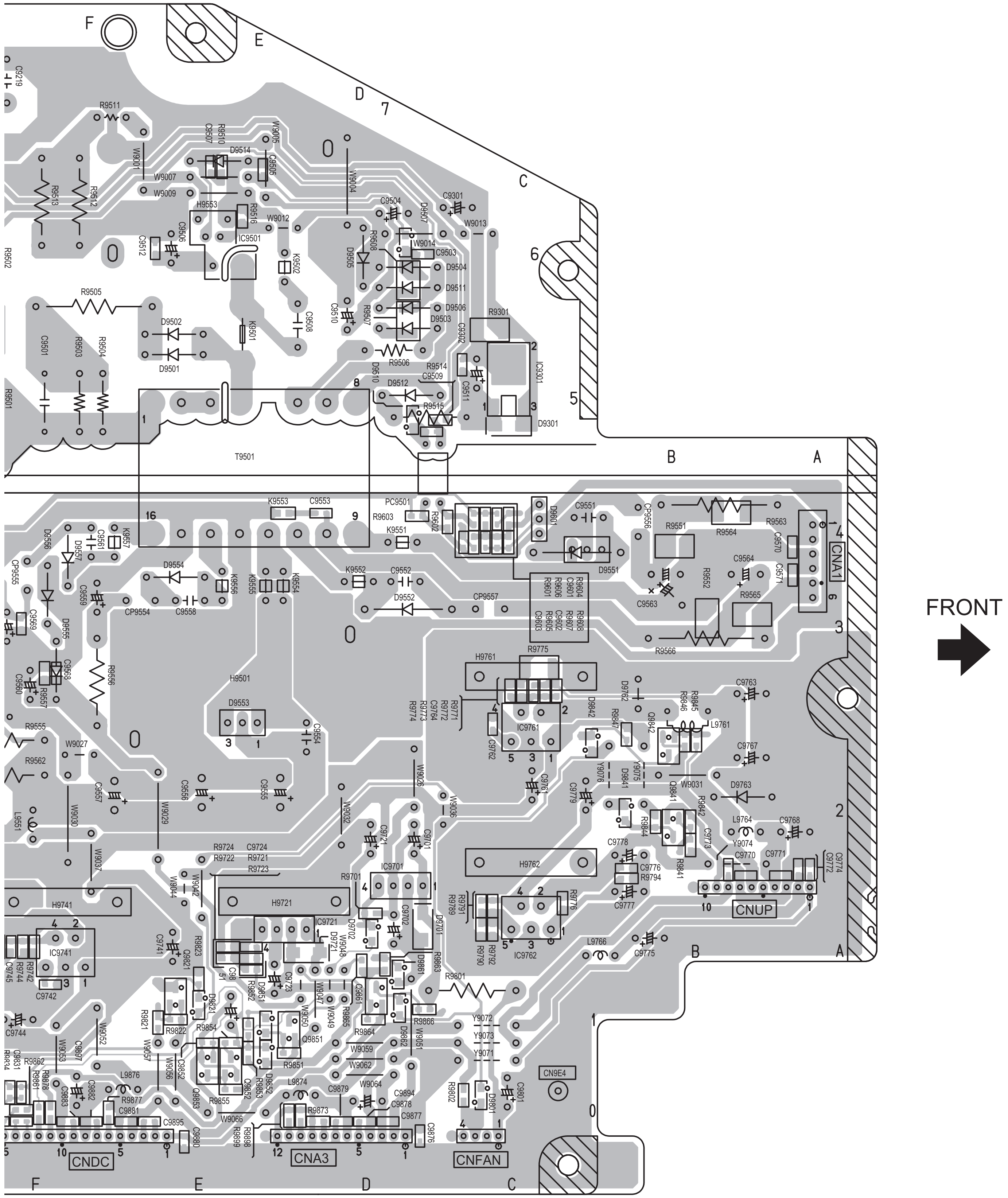
C9566
W9060
W9061
C9565
D9832
R9832
W9065
R9567
L9552
C9573
R9568
C9572
C9282
CN9E3
F9001
R9001
CNA2
CNDU
CN9008
C9885
C9884
1
3
4
5
6
9
12
15
20
25
30
31

CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)
AND ROHM'S MFR'S TYPE CP(S).


F
E
D
C
B
A
7
6
5
4
3
2
1
FRONT
C9219
R9511
W9001
C9507
R9510
W9005
D9514
C9505
W9004
W9007
W9009
R9513
R9512
H9553
R9516
W9012
C9504
D9507
C9301
W9013
C9512
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R9508
W9014
C9503
D9504
D9505
K9502
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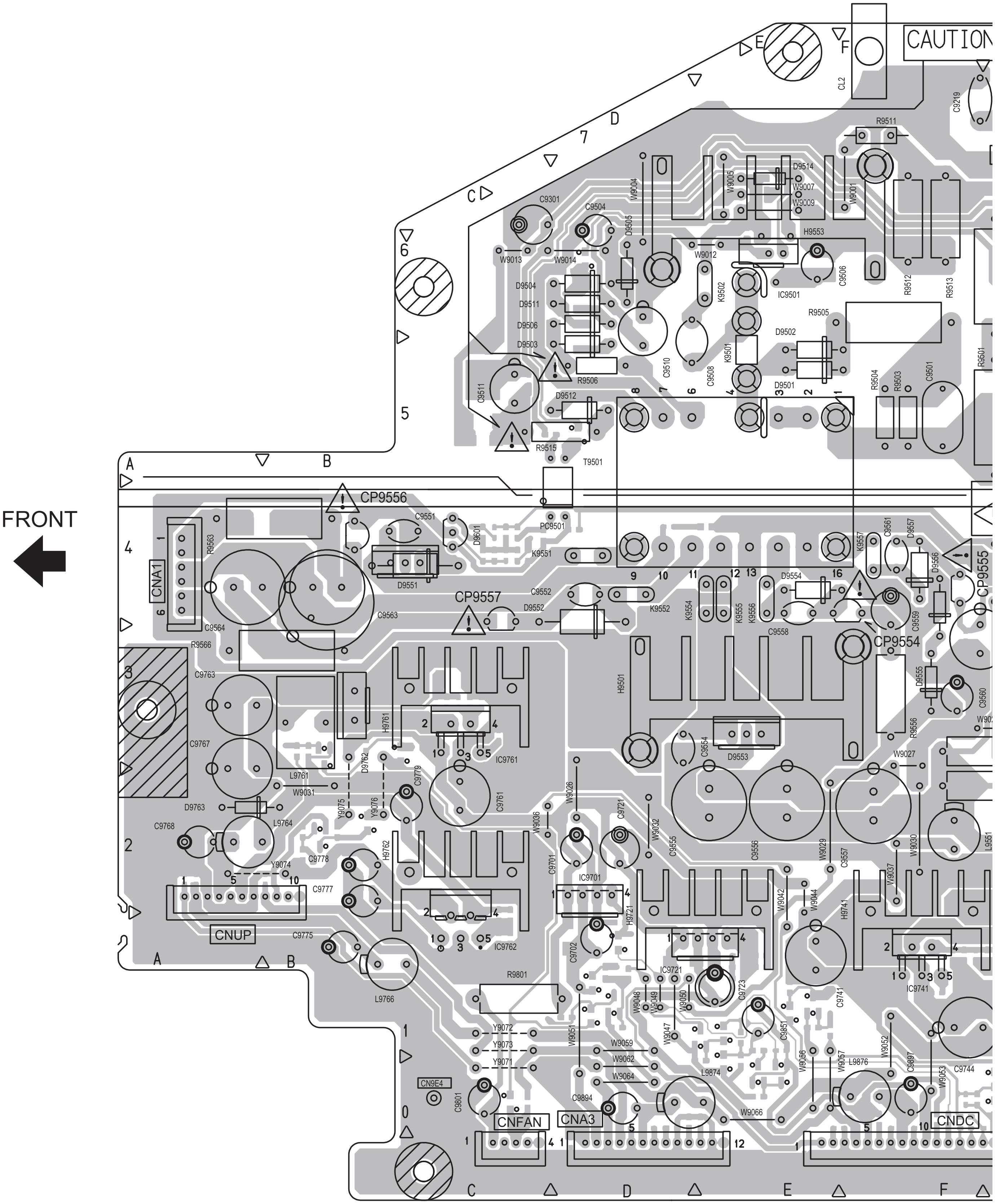
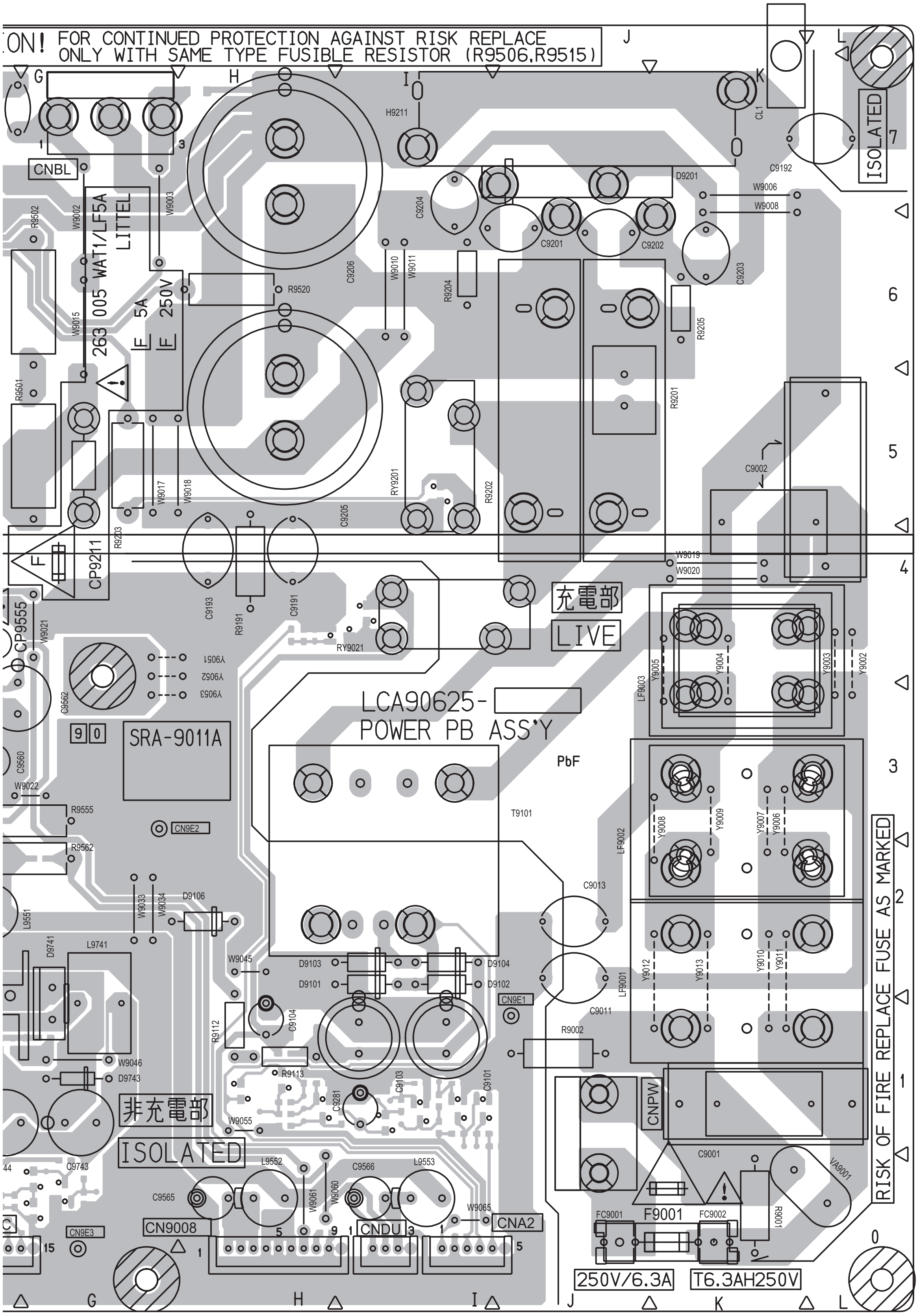
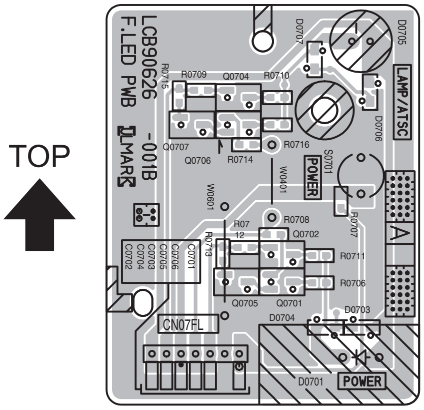
C9501
R9503
R9504
R9506
R9514
C9509
D9510
D9512
C9511
R9515
D9301
R9501
T9501
8
16
9
K9553
C9553
PC9501
R9603
R9602
K9551
D9601
C9551
CP9556
R9551
R9564
R9563
CNA1
C9570
C9571
D9556
D9557
C9561
K9557
CP9555
D9554
K9556
K9555
K9554
K9552
C9552
D9552
CP9557
C9559
C9558
CP9554
R9604
R9606
R9608
R9607
C9601
C9602
R9601
R9605
C9603
D9551
C9564
R9552
C9563
R9565
R9566
C9569
D9555
C9568
C9560
R9557
R9556
H9501
D9553
C9554
R9555
W9027
R9562
C9557
C9556
C9555
W9029
W9030
L9551
W9037
H9761
R9775
R9771
R9772
C9764
R9773
R9774
IC9761
C9762
D9762
D9842
R9847
R9846
R9845
Q9842
C9763
L9761
C9767
C9761
W9026
W9036
W9032
D9841
Y9076
Y9075
C9779
W9031
D9763
Q9841
R9842
R9844
C9773
L9764
C9768
C9778
Y9074
C9776
R9794
R9841
C9770
C9771
C9774
C9772
H9762
C9777
CNUP
10
R9776
R9791
R9789
R9790
R9792
IC9762
L9766
C9775
R9724
C9724
R9722
R9721
R9723
W9044
W9042
C9721
C9701
IC9701
R9701
H9721
IC9721
C9702
D9702
D9701
D9721
W9048
H9741
IC9741
C9741
R9823
Q9821
R9742
R9744
C9745
C9742
C9723
D9821
R9852
D9851
W9047
W9049
C9861
D9861
R9863
R9801
R9821
R9822
R9854
W9050
Q9851
R9865
R9866
D9862
W9051
Y9072
Y9073
Y9071
C9744
W9052
W9053
W9057
W9056
C9852
C9897
R9864
W9059
W9062
R9851
C9831
R9862
R9861
R9878
L9876
C9883
C9882
R9877
C9881
Q9853
Q9852
R9855
D9852
R9853
L9874
C9879
W9064
C9894
C9878
R9873
R9802
D9801
C9801
CN9E4
C9895
C9880
W9066
R9898
R9899
C9877
C9876
CNDC
CNA3
CNFAN
12


FRONT
CAUTION
CP9556
CP9557
CP9554
CP9555
CNA1
CNUP
CNFAN
CNA3
CNDC
CN9E4
T9501
IC9501
IC9701
IC9721
IC9741
IC9761
IC9762
H9501
H9553
H9721
H9741
H9761
H9762
PC9501
R9801
L9761
L9764
L9766
L9874
L9876
L9551
D9551
D9552
D9553
D9554
C9301
C9504
C9551
C9563
C9564
C9763
C9767
C9768
C9775
C9777
C9778
C9801
C9894
C9744
A
B
C
D
E
F
0
1
2
3
4
5
6
7

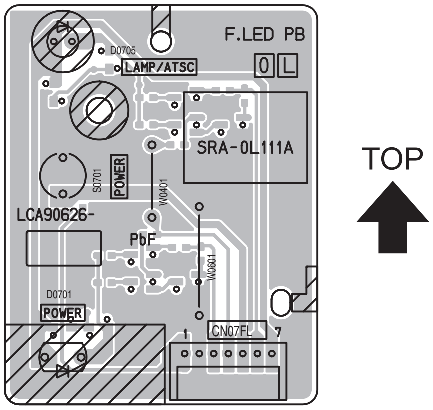
CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)
AND ROHM'S MFR'S TYPE CP(S).


ON! FOR CONTINUED PROTECTION AGAINST RISK REPLACE
ONLY WITH SAME TYPE FUSIBLE RESISTOR (R9506,R9515)
G
H
I
J
K
L
CNBL
263 005 WAT1/LF5A
LITTEL
F 5A
F 250V
R9502
W9002
W9003
W9015
R9520
R9501
W9017
W9018
R9203
CP9211
F
CP9555
W9021
H9211
C9206
W9010
W9011
C9204
R9204
D9201
C9201
C9202
C9203
C9192
W9006
W9008
CL1
ISOLATED
7
6
5
4
3
2
1
0
R9205
R9201
RY9201
R9202
C9205
C9193
R9191
C9191
RY9021
C9002
W9019
W9020
充電部
LIVE
Y9051
Y9052
Y9053
C9562
C9560
9 0
SRA-9011A
LCA90625-
POWER PB ASS'Y
PbF
T9101
LF9003
Y9005
Y9004
Y9003
Y9002
LF9002
Y9008
Y9009
Y9007
Y9006
W9022
R9555
CN9E2
R9562
W9033
W9034
D9106
L9551
D9741
L9741
W9045
D9103
D9101
D9104
D9102
CN9E1
C9013
C9011
LF9001
Y9012
Y9013
Y9010
Y9011
R9112
C9104
R9113
C9103
C9281
C9101
R9002
W9046
D9743
非充電部
ISOLATED
W9055
C9743
L9552
C9566
L9553
C9565
W9061
W9060
W9065
CN9008
CNDU
CNA2
CN9E3
15
1
5
9
3
CNPW
C9001
VA9001
FC9001
F9001
FC9002
R9001
250V/6.3A
T6.3AH250V
RISK OF FIRE REPLACE FUSE AS MARKED

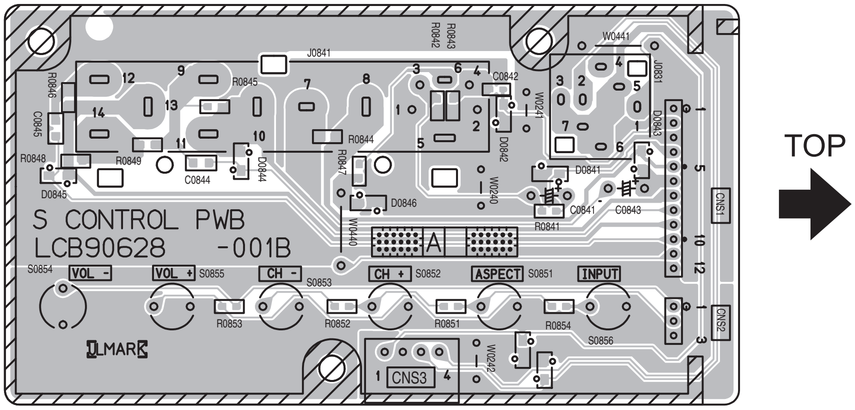
FRONT LED PWB PATTERN [SOLDER SIDE]


TOP
LCB90626 -001B
F.LED PWB
LMARK
LAMP/ATSC
POWER
CN07FL
D0701
D0703
D0704
D0705
D0706
D0707
Q0701
Q0702
Q0704
Q0705
Q0706
Q0707
R0706
R0707
R0708
R0709
R0710
R0711
R0713
R0714
R0715
R0716
S0701
W0401
W0601
C0701
C0702
C0703
C0704
C0705
C0706
A

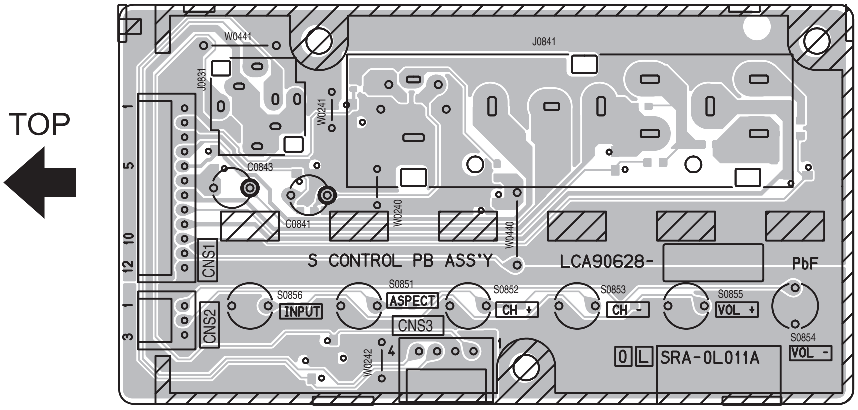
FRONT LED PWB PATTERN [PARTS SIDE]


F.LED PB
0L
D0705
LAMP/ATSC
SRA-0L111A
S0701
POWER
W0401
LCA90626-
PbF
W0601
D0701
POWER
1
CN07FL
7
TOP

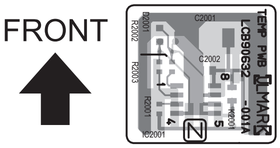
SIDE CONTROL PWB PATTERN [SOLDER SIDE]


S CONTROL PWB
LCB90628 -001B
TOP
J0841
R0843
R0842
W0441
J0831
C0842
W0241
D0842
D0843
D0841
C0841
C0843
R0841
R0845
R0846
C0845
R0848
R0849
D0845
C0844
D0844
R0844
R0847
D0846
W0440
W0240
CNS1
CNS2
CNS3
S0854
VOL -
VOL +
S0855
CH -
S0853
CH +
S0852
ASPECT
S0851
INPUT
S0856
R0853
R0852
R0851
R0854
W0242
LMARK
A

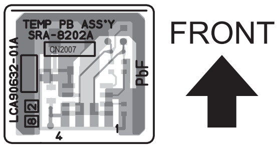
SIDE CONTROL PWB PATTERN [PARTS SIDE]


TOP
W0441
J0841
J0831
W0241
C0843
C0841
W0240
W0440
S CONTROL PB ASS'Y
LCA90628-
PbF
CNS1
CNS2
CNS3
S0856
INPUT
S0851
ASPECT
S0852
CH +
S0853
CH -
S0855
VOL +
S0854
VOL -
W0242
0L
SRA-0L011A

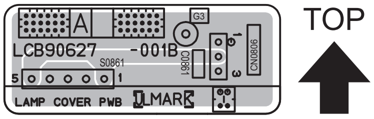
TEMP PWB PATTERN
[SOLDER SIDE]


FRONT
TEMP PWB
LCB90632 -001A
LMARK
C2001
C2002
R2001
R2002
R2003
D2001
IC2001

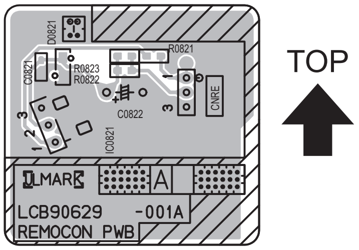
TEMP PWB PATTERN
[PARTS SIDE]


TEMP PB ASS'Y
SRA-8202A
CN2007
LCA90632-01A
PbF
FRONT

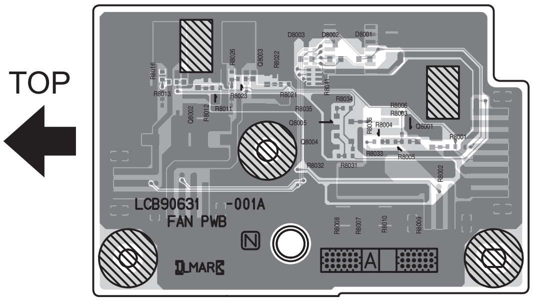
LAMP COVER PWB PATTERN


LCB90627 -001B
S0861
G3
C0861
CN0806
LAMP COVER PWB
TOP

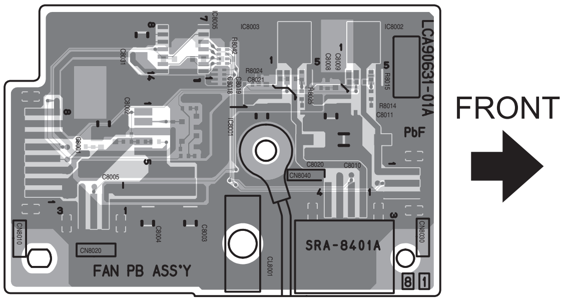
REMOCON PWB PATTERN


D0821
R0821
R0823
R0822
C0821
C0822
IC0821
CNRE
LCB90629 -001A
REMOCON PWB
TOP

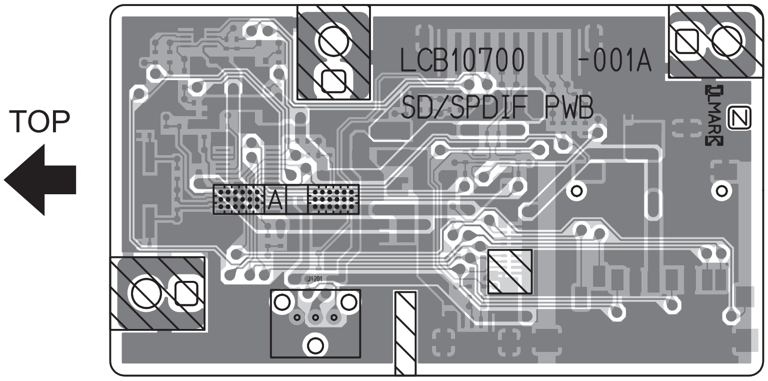
FAN PWB PATTERN [SOLDER SIDE]


TOP
LCB90631 -001A
FAN PWB

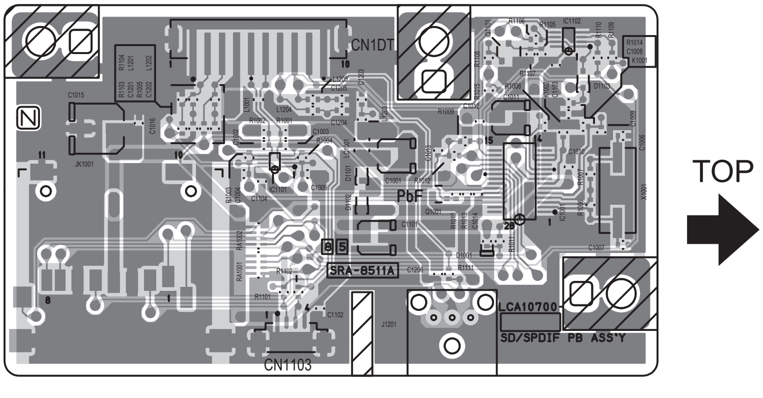
FAN PWB PATTERN [PARTS SIDE]


LCA90631-01A
PbF
CN8020
FAN PB ASS'Y
SRA-8401A
FRONT

SD CARD PWB PATTERN [SOLDER SIDE]


LCB10700 -001A
SD/SPDIF PWB
J1201
TOP

SD CARD PWB PATTERN [PARTS SIDE]


CN1DT
JK1001
PbF
SRA-8511A
J1201
LCA10700
SD/SPDIF PB ASS'Y
CN1103
TOP

VOLTAGE CHARTS

<TUNER PWB>

[P.2-9 - P.2-10]

MODE PIN NO.	DC (V)
IC001	
1	6.9
2	4.9
3	0
4	6.9
Q004	
E	2.8
C	0
B	0
Q005	
E	2.2
C	8.7
B	2.8
TU001	
1	NC
2	NC
3	4.9
4	NC
5	NC
6	NC
7	NC
8	NC
9	NC
10	4.4
11	4.3
12	0
13	2.8
14	0
15	31.1
16	NC
17	2.4

[P.2-11 - P.2-12]

MODE PIN NO.	DC (V)
IC061	
1	4
2	4
3	4
4	4
5	4.9
6	4.9
7	0
8	3.9
9	3.9
10	4
11	3.8
12	3.2
13	4
14	1.2
15	1.3
16	NC
17	0
18	3.2
19	8.8
20	NC
21	4
22	4
23	4
24	3.8
25	4
26	3.9
27	4
28	1.9
29	4
30	4
31	1.8
32	4
33	4
34	4
35	4
36	4
37	4
38	4
39	3.9
40	3.9
41	1.1
42	4
43	4
44	4
45	NC
46	4
47	4
48	4

<ANALOG PWB>

[P.2-13 - P.2-14]

MODE PIN NO.	DC (V)
IC101	
1	4.5
2	4.5
3	0
4	4.5
5	4.5
6	0
7	4.5
8	4.5
9	0
10	4.5
11	4.5
12	0
13	4.5
14	4.5
15	4.5
16	4.5
17	4.5
18	9
19	4.5
20	4.5
21	0
22	4.5
23	4.5
24	0
25	4.5
26	4.5
27	0
28	4.5
29	4.5
30	9
31	0
32	4.5
33	4.5
34	4.5
35	4.5
36	4.5
37	1.4
38	1.9
39	1.4
40	1.9
41	0
42	2.1
43	1.6
44	5
45	1.9
46	0
47	2
48	5
49	1.9
50	1.6
51	0.1
52	5
53	4.9
54	4.9
55	2.5
56	2.1
57	2.5
58	2.1
59	2.1
60	2.5
61	5
62	2.5
63	0.2
64	2.1
65	0
66	2.5
67	4.9
68	2.5
69	0.2
70	2.1
71	4.9
72	2.5
73	4.9
74	2.5
75	0
76	0
77	2.1
78	1.4
79	2.8
80	5
81	2.3
82	0
83	2.8
84	0
85	2.5
86	4.6
87	2.5
88	2.2
89	2.1
90	0
91	2.5
92	2.8
93	2.5
94	0.2
95	2.1
96	4.5
97	2.5
98	4.8
99	2.5
100	2.5
IC102	
1	0
2	2.4
3	2.5
4	2.4
5	2.4
6	2.5
7	2.5
8	2.4
9	0
10	2.4
11	2.2
12	2.4
13	0
14	0.3
15	0.3
16	0
17	2.4
18	0
19	2.4
20	0
21	2.4
22	0
23	0
24	0.1
25	5
26	0
27	4
28	3.9
29	0
30	1.8
31	6.3
32	1.8
33	0
34	1.2
35	0
36	3.4
37	4.1
38	3.4
39	1.7
40	6.4
41	1.8
42	2.9
43	1.8
44	0
45	1.3
46	2.8
47	2.5
48	2.5
49	3.9
50	6.4
51	4.9
52	1.9
53	1.9
54	3
55	2.4
56	2.5
57	2.5
58	0
59	0
60	2.2
61	0
62	0
63	2.5
64	2.5
65	2.5
66	2.5
67	2.5
68	2.4
69	2.5
70	2.4
71	4.9
72	2.4
73	4.9
74	2.4
75	0.1
76	0.6
77	0.1
78	2.4
79	4.6
80	2.4
81	4.6
82	2.4
83	0.3
84	0.6
85	0.5
86	2.4
87	5
88	2.4
89	2.8
90	2.4
91	0
92	0.6
93	5
94	2.4
95	0
96	2.4
97	0
98	2.4
99	0
100	4.6
Q106	
S	0.1
D	0.1
G	0
Q107	
S	3.2
D	5
G	3.3
Q109	
E	2.6
C	0
B	1.9
Q110	
E	2.2
C	0
B	1.4
Q111	
E	2.2
C	0
B	1.4
Q112	
E	1.7
C	0
B	1
Q113	
E	0
C	5
B	2.9

[P.2-15 - P.2-16]

MODE PIN NO.	DC (V)
Q541	
E	0
C	0
B	2.4
Q542	
E	0
C	0
B	2.4
Q543	
E	2.4
C	2.5
B	0

[P.2-17 - P.2-18]

MODE PIN NO.	DC (V)
IC381	
1	0
2	5
3	0.1
4	0
5	0.1
6	0.1
7	0
8	0
9	0.2
10	0.2
11	0.2
12	0.9
13	0.2
14	0.9
15	5
16	4.9

[P.2-21 - P.2-22]

MODE PIN NO.	DC (V)
IC601	
1	6
2	6.1
3	6.1
4	6.1
5	6.1
6	6.1
7	0.7
8	6.1
9	6.1
10	6.1
11	1.1
12	0
13	1
14	6.1
15	0
16	5.2
17	0.1
18	5
19	0
20	12.1
21	5.9
22	0
23	0
24	4.9
25	3.9
26	4.7
27	4.7
28	6.1
29	6.1
30	6.1
31	6.1
32	6.1
33	6.1
34	0
35	0
36	6.1
37	6.1
38	0
39	6.1
40	6.1
41	6.1
42	6.1
43	6.1
44	6
45	6
46	6
47	6.1
48	6.1
IC602	
1	14.4
2	2.8
3	12.1
4	2.6
5	0
IC603	
1	5.9
2	4.7
3	4.8
4	0
5	6
6	6.1
7	8
8	11.7
IC605	
1	-15.4
2	-15.4
3	-15.4
4	-15.4
5	14.4
6	10.3
7	1.6
8	-15.4
9	-15.4
10	-15.4
11	1.5
12	10.2
13	14.4
14	-14.4
15	-13.7
16	-15.1
17	-15.3
IC606	
1	0
2	5
3	0.1
4	5
5	4.9
6	0
7	0
8	0
9	4.8
10	4.9
11	0
12	5
13	5
14	0
15	0
16	5
IC607	
1	-15.3
2	0
3	0
4	-15.4
5	0
6	0.1
7	-15.3
8	13.6
IC610	
1	6.2
2	6.1
3	6.1
4	0
5	6.1
6	6.1
7	6.2
8	12.2
Q603	
E	0
C	0
B	0.6
Q604	
E	0
C	12.1
B	8
Q605	
E	0
C	0
B	4.4
Q606	
E	0
C	14.3
B	0
Q607	
E	-14.4
C	-14.3
B	-14.3
Q614	
E	11.5
C	0
B	11.9

[P.2-23 - P.2-24]

MODE PIN NO.	DC (V)
IC902	
1	3.3
2	0
3	4.9
Q901	
E	9
C	9
B	9.7
Q902	
E	5
C	5
B	5.7

<DIGITAL PWB>

[P.2-25 - P.2-26]

MODE PIN NO.	DC (V)
Q7501	
E	0
C	1
B	2.1

[P.2-31 - P.2-32]

MODE PIN NO.	DC (V)
IC6401	
1	0
2	0
3	0
4	2
5	0
6	3.6
7	2
8	0
9	2.1
10	0
11	3.6
12	0.2
13	0
14	0.7
15	0
16	2.1
17	0
18	3.6
19	2
20	3.6
21	0
22	2.2
23	0
24	2.2
25	0
26	0.7
27	0
28	2.2
29	3.6
30	0
31	2.1
32	0.1
33	2.7
34	0
35	3.6
36	0
37	0
38	3.6
39	2
40	0
41	0
42	2.1
43	0
44	3.6
45	0
46	3.6
47	2.2
48	0
49	0.2
50	3.6
51	0
52	2.1
53	0
54	3.6
55	0
56	0
57	0
58	0
59	0
60	0
61	0
62	0
63	0
64	2.1
65	3.7
66	0
67	3.7
68	1.1
69	0
70	0
71	0
72	0.2
73	0
74	0
75	0.8
76	0
77	0
78	0
79	0
80	0
81	0
82	0
83	0
84	0
85	0
86	0
87	0
88	0
89	3.7
90	0
91	0
92	0
93	0
94	0
95	0
96	0.1
97	0.8
98	0
99	3.7
100	0
101	0
102	0
103	0
104	0
105	0
106	0
107	0
108	0
109	2.1
110	3.7
111	0
112	0
113	0
114	0
115	0
116	0
117	0
118	0.2
119	1
120	0
121	2
122	2
123	0
124	3.7
125	0.1
126	3.7
127	3.6
128	3.6
IC6402	
1	1.6
2	0
3	0
4	5
5	3

[P.2-33 - P.2-34]

MODE PIN NO.	DC (V)
IC6250	
1	0
2	5.4
3	1.6
4	0
5	0
6	0
7	0
8	0
9	5.3
10	0.7
11	0
12	3.5
13	0
14	0
15	0
16	5.3
17	0
18	0
19	0
20	2.2
21	0
22	0
23	5.3
24	5.3
IC6251	
1	1.6
2	0
3	0
4	5
5	3.3
Q6201	
E	0.5
C	0
B	0.5
Q6202	
E	3.3
C	0
B	2.6
Q6203	
E	0.5
C	0
B	0.5
Q6204	
E	2.9
C	0
B	2.2
Q6205	
E	2.9
C	0
B	2.2
Q6206	
E	3.3
C	0
B	2.6
Q6211	
E	0.8
C	5
B	1.5
Q6212	
E	0
C	5
B	0.07
Q6213	
E	0
C	5
B	0.7
Q6214	
E	1.5
C	5
B	2.2
Q6250	
E	1.5
C	5
B	2
Q6251	
E	2.2
C	5
B	2

[P.2-35 - P.2-36]

MODE PIN NO.	DC (V)
IC6724	
1	0
2	3.3
3	0
4	3.3

[P.2-39 - P.2-40]

MODE PIN NO.	DC (V)
IC6101	
1	1.2
2	2.4
3	0
4	1.2
5	0
6	1.2
7	1.2
8	2.4
9	1.2
10	1.2
11	0
12	1.2
13	1.2
14	0
15	2.4
16	0
17	1.2
18	1.2
19	0
20	0
21	1.2
22	1.2
23	0.6
24	0.6
25	1.7
26	1.7
27	1.8
28	0
29	0.7
30	0.7
31	0.6
32	0.6
33	0.7
34	0.7
35	2.4
36	0
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0.6
46	0
47	0.7
48	0.7
49	0.7
50	0.7
51	0.6
52	0
53	1.8
54	1.3
55	1.3
56	0.6
57	0.6
58	1.2
59	0
60	1.2
61	0
62	0
63	1.2
64	1.2
65	2.5
66	0
67	2.4
68	1.2
69	1.2
70	0
71	1.2
72	1.2
73	2.4
74	1.2
75	1.2
76	0
77	1.2
78	1.2
79	0
80	1.2
81	1.2
82	0
83	1.2
84	1.2
85	0
86	2.4
87	0
88	0
89	0
90	0
91	0
92	0
93	0
94	1.2
95	2.4
96	2.4
97	1.2
98	1.2
99	0
100	1.2
IC6102	
1	0
2	2.6
3	1.3
4	1.3
5	2.6
6	2.6
7	2.6
8	2.6

[P.2-41 - P.2-42]

MODE PIN NO.	DC (V)
IC7201	
1	0.1
2	0.2
3	0.2
4	0.2
5	0.2
6	0.1
7	0.3
8	0.2
9	0
10	0
11	3.2
12	3.3
13	0
14	0
15	0
16	0
17	0.1
18	0.2
19	0.2
20	0.2
21	0.2
22	0.2
23	0.2
24	0.2
25	0.2
26	3.3
27	0
28	3.3
29	0.2
30	0.2
31	0.2
32	0.2
33	0.2
34	0.2
35	0.2
36	0.2
37	3.2
38	0.1
39	0.2
40	0.2
41	0.1
42	0.2
43	0.2
44	0.2
45	0.1
46	0
47	3.3
48	0.2
IC7203	
1	3.2
2	0
3	0.3
4	0
5	0.4
6	0
7	3.3
8	0.2
9	0.4
10	0
11	0.3
12	0
13	3.2
14	2.7
15	3.2
16	3
17	3.2
18	2.6
19	0
20	0.1
21	0.3
22	0.3
23	0.3
24	0.3
25	3.2
26	0
27	0.3
28	0.3
29	0.3
30	0.3
31	0.4
32	0.4
33	0
34	3.2
35	3
36	2.7
37	0
38	3.2
39	0.4
40	0.4
41	0
42	0.4
43	0.2
44	3.3
45	0.3
46	0.2
47	0
48	0.3
49	0.2
50	0
IC7204	
1	0
2	3.3
3	0
4	3.3
IC7205	
1	2.9
2	3
3	0
4	3.3
5	3.3
6	0
7	0
8	0
9	3.3
10	3.3
11	3.3
12	3.2
13	0
14	3.2
IC7206	
1	NC
2	3.3
3	0
4	3.3
5	3.3
Q7201	
E	0
C	2.9
B	0

[P.2-43 - P.2-44]

MODE PIN NO.	DC (V)
IC7033	
1	0
2	3.2
3	3.2
4	3.2
5	3.2
6	3.2
7	3.2
8	0
9	0
10	3.2
11	0
12	3.2
13	3.2
14	3.3
15	0
16	3.2
IC7036	
1	3.3
2	0
3	0
4	0
5	3.3
6	0
Q7032	
E	3.3
C	3.3
B	0
Q7033	
E	3.2
C	3.2
B	0
Q7034	
E	3.3
C	-0.1
B	3.2
Q7035	
E	3.2
C	-0.3
B	0

[P.2-45 - P.2-46]

MODE PIN NO.	DC (V)
IC6502	
1	0
2	0.8
3	0.9
4	2.5
5	0
6	2.3
7	2.5
8	0.9
9	3.2
10	0.7
11	1.1
12	1.1
13	0
14	1.2
15	3.2

MODE PIN NO.	DC (V)
16	1
17	3.2
18	1
19	3.2
20	3.2
21	0
22	1
23	1
24	1
25	1.6
26	3.2
27	3.2
28	0
29	0
30	0
31	2
32	3.2
33	0
34	3.2
35	0
36	0
37	1.2
38	1.2
39	1.2
40	1.2
41	1.2
42	1.2
43	0
44	3.2
45	1.2
46	1.2
47	1.2
48	1.2
49	0
50	0.9
51	2.6
52	2.6
53	0
54	2.6
55	0.8
56	0.7

[P.2-61 - P.2-62]

MODE PIN NO.	DC (V)
IC6901	
1	3
2	0
3	3
4	5
IC9001	
1	8.6
2	13.3
3	3.5
4	0
5	0.9
6	1.3
7	3.4
8	0.9
IC9101	
1	3.3
2	0
3	2.5
IC9201	
1	6.5
2	13.3
3	1.3
4	0
5	0.9
6	1.3
7	3.3
8	0.9
IC9301	
1	1.2
2	0
3	0
4	0.3
5	3.2
6	0
7	0
8	3.2
Q9501	
E	0
C	0
B	3.2
Q9502	
E	0
C	0
B	0.6
Q9503	
E	0
C	0
B	0.6

[P.2-53 - P.2-54]

MODE PIN NO.	DC (V)
IC7601	
1	0
2	0
3	0
4	0
5	0
6	1
7	2.8
8	0
9	0
10	0
11	0
12	0
13	1.9
14	0
15	1.4
16	3.2
17	1.8
18	1.1
19	3.2
20	3.2
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	4.9
30	3.2
31	0
32	0
33	0
34	0
35	0
36	3.2
37	0
38	0
39	0
40	0
41	3.2
42	0
43	0
44	0
45	0
46	0
47	3.2
48	0
49	3.2
50	0
51	0
52	0
53	0
54	0
55	0
56	0
57	0
58	0
59	0
60	0
61	0
62	3.9
63	0
64	3.2
65	0
66	0
67	0
68	0
69	0
70	0
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	0
80	0
81	0
82	3.2
83	0
84	3.2
85	0
86	3.2
87	3.2
88	3.2
89	0
90	0
91	0
92	0
93	3.2
94	3.2
95	0
96	0.2

MODE PIN NO.	DC (V)
97	0
98	0
99	4.9
100	0
IC7602	
1	0
2	0
3	0
4	0
5	3.2
6	3.2
7	0
8	3.2
IC7603	
1	3.3
2	0
3	0
4	5
5	5
IC7604	
1	0
2	0
3	0
4	3.2
5	3.2
IC7605	
1	5
2	0
3	0
4	0
5	0
6	5
IC7606	
1	5
2	0
3	0
4	0
5	0
6	5

<POWER PWB>

[P.2-71 - P.2-72]

MODE PIN NO.	DC (V)
IC9101	
1	7
2	0
3	5
IC9301	
1	15.4
2	0
3	17.8
Q9021	
E	0
C	0.1
B	0.7
Q9281	
E	1.3
C	0
B	2.3
Q9282	
E	0
C	3.7
B	0.2
Q9283	
E	0
C	3.8
B	0.2
Q9284	
E	0
C	0
B	2.5

[P.2-73 - P.2-74]

MODE PIN NO.	DC (V)
IC9501	
1	385
2	NC
3	0
4	15.7
5	0.1
6	1.1
7	0.8
PC9501	
1	11.1
2	10.1
3	13.6
4	1

[P.2-75 - P.2-76]

MODE PIN NO.	DC (V)
IC9701	
1	12.9
2	11.9

MODE PIN NO.	DC (V)
3	0
4	2.6
IC9721	
1	13.2
2	9.2
3	0
4	1.2
5	6.8
IC9761	
1	0
2	4.3
3	15.8
4	2.6
5	17.3
IC9762	
1	3.3
2	3.4
3	0
4	2.6
5	1.1
Q9831	
E	0
C	0
B	0.6
Q9841	
E	0
C	0
B	0.6
Q9842	
E	0
C	0
B	0.7
Q9851	
E	13.1
C	6
B	13.1
Q9852	
E	0
C	13.1
B	0
Q9853	
E	0
C	0
B	3.1
Q9861	
E	0
C	0
B	0.6

<FRONT LED PWB>

[P.2-79]

MODE PIN NO.	DC (V)
Q0701	
E	0.2
C	0.4
B	0.9
Q0702	
E	0
C	0
B	0.6
Q0704	
E	0
C	4.9
B	0
Q0705	
E	0
C	0.2
B	0.7
Q0706	
E	4.5
C	4.9
B	3.3
Q0707	
E	0
C	4.4
B	0

<TEMP PWB>

[P.2-80]

MODE PIN NO.	DC (V)
IC2001	
1	4.5
2	4.5
3	4
4	0
5	0
6	0
7	0
8	4.9

<REMOCON PWB>

[P.2-82]

MODE PIN NO.	DC (V)
IC0821	
1	2.8
2	4.9
3	0

<FAN PWB>

[P.2-85 - P.2-86]

MODE PIN NO.	DC (V)
IC8001	
1	1.2
2	0
3	0
4	13.3
5	8.1
IC8002	
1	13.3
2	3
3	10
4	2.6
5	0
IC8003	
1	13.3
2	3
3	6.4
4	2.6
5	0
IC8005	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	5
Q8001	
E	0
C	1.2
B	0
Q8004	
E	0
C	3
B	0
Q8005	
E	0
C	0
B	0

<SD CARD PWB>

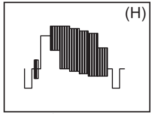
[P.2-87 - P.2-88]

MODE PIN NO.	DC (V)
IC1001	
1	NC
2	1.4
3	1.6
4	0
5	3.3
6	5
7	3.3
8	0
9	3
10	3.4
11	NC
12	0
13	0
14	NC
15	NC
16	3.3
17	3.3
18	3.3
19	0.7
20	1.7
21	0.7
22	0
23	3.3
24	0
25	0
26	0
27	0
28	NC
Q1001	
E	3.4
C	0.7
B	3.4

WAVEFORMS

TUNER PWB(1/2)

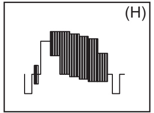
TU001-17



1 Vp-p

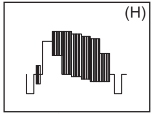
ANALOG PWB(1/6)

IC101-45



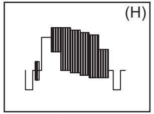
6 Vp-p

IC101-49



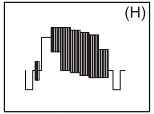
6 Vp-p

IC101-57



1 Vp-p

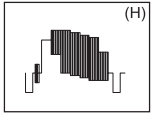
IC101-79



1 Vp-p

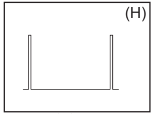
ANALOG PWB(1/6)

IC102-2



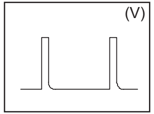
6 Vp-p

IC102-28



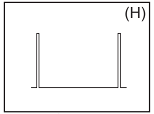
3.0 Vp-p

IC102-37



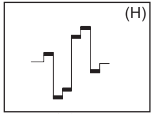
3.4 Vp-p

IC102-38



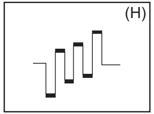
2.5 Vp-p

IC102-41



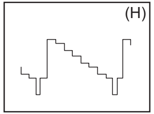
0.6 Vp-p

IC102-43



0.6 Vp-p

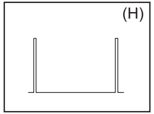
IC102-45



0.8 Vp-p

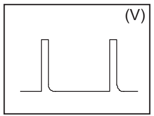
DIGITAL PWB(4/16)

IC6401-33



3.0 Vp-p

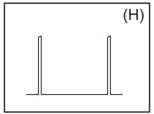
IC6401-44



3.4 Vp-p

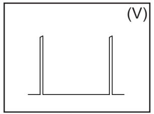
DIGITAL PWB(11/16)

IC6502-27



3.0 Vp-p

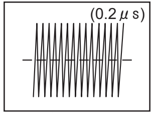
IC6502-28



3.0 Vp-p

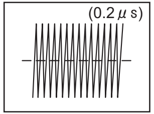
DIGITAL PWB(15/16)

IC7601-13



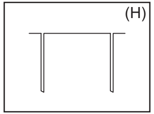
6 Vp-p

IC7601-15



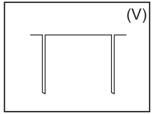
6 Vp-p

IC7601-62



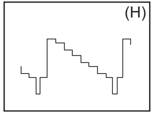
3.5 Vp-p

IC7601-64



3.5 Vp-p

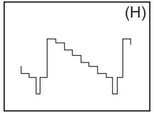
IC7601-97



0.8 Vp-p

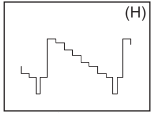
DIGITAL PWB(15/16)

IC7605-2



2.0 Vp-p

IC7605-4



0.5 Vp-p

Victor Company of Japan, Limited
ILA Display Category 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

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